

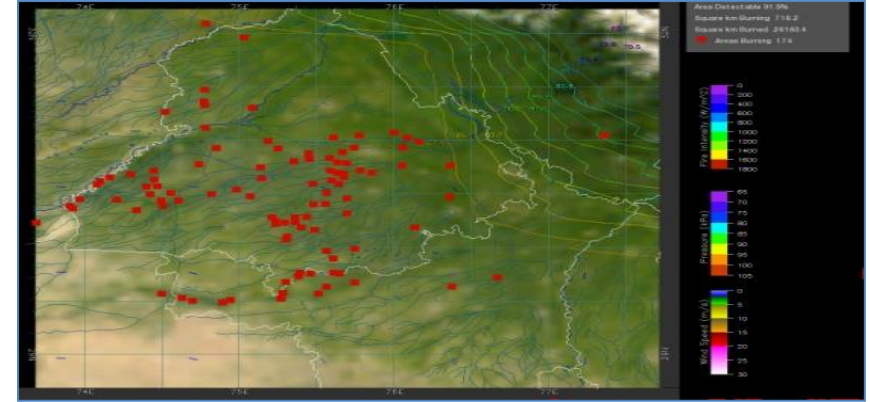
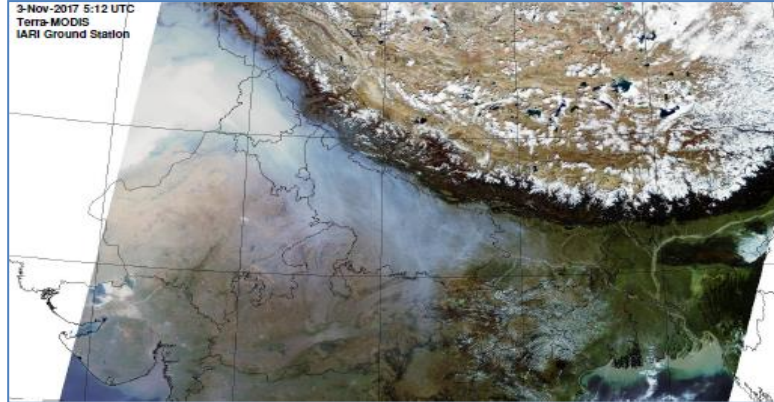


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

Bulletin
No. 45

Events Date:
29-Oct-2024

Issued on:
29-Oct-2024



Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS)
Laboratory,

Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

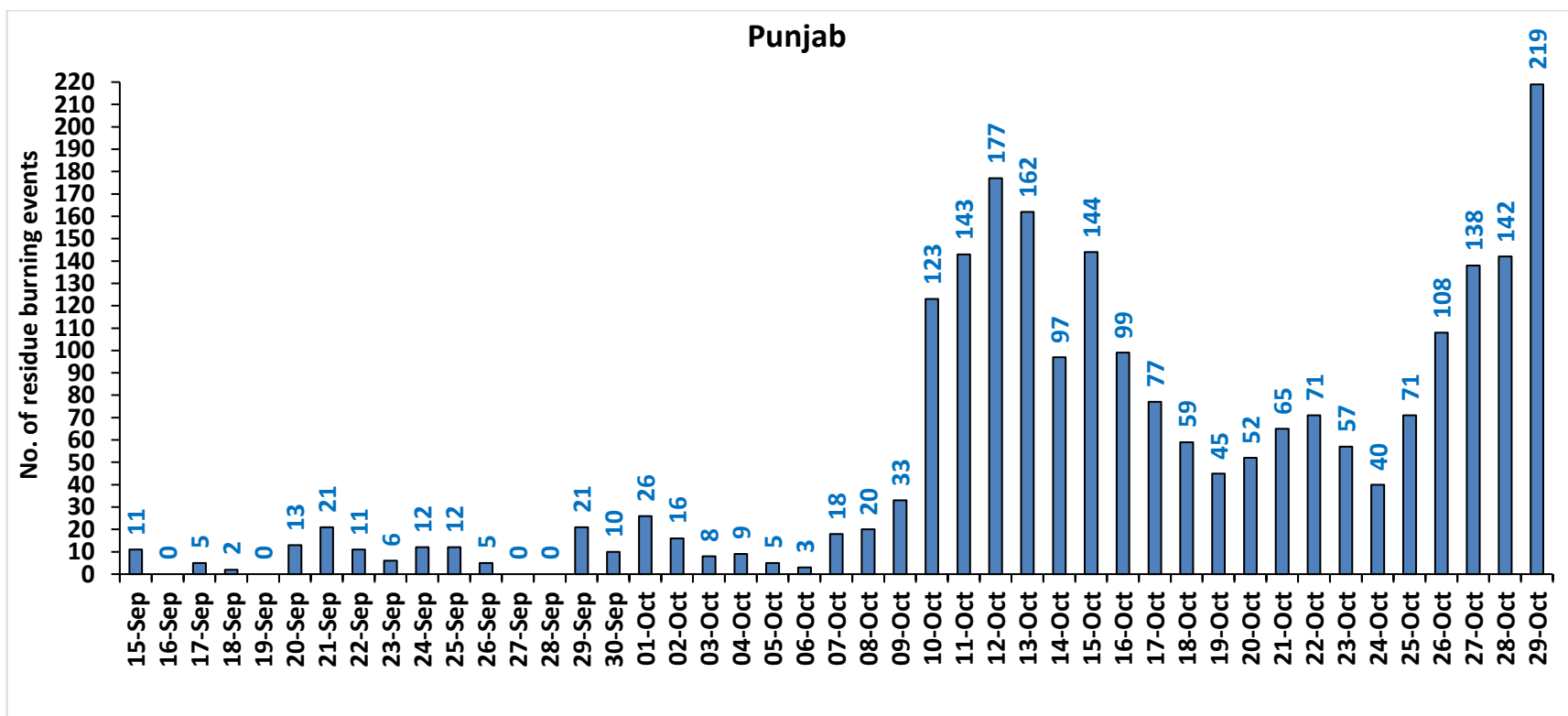
<https://creams.iari.res.in>



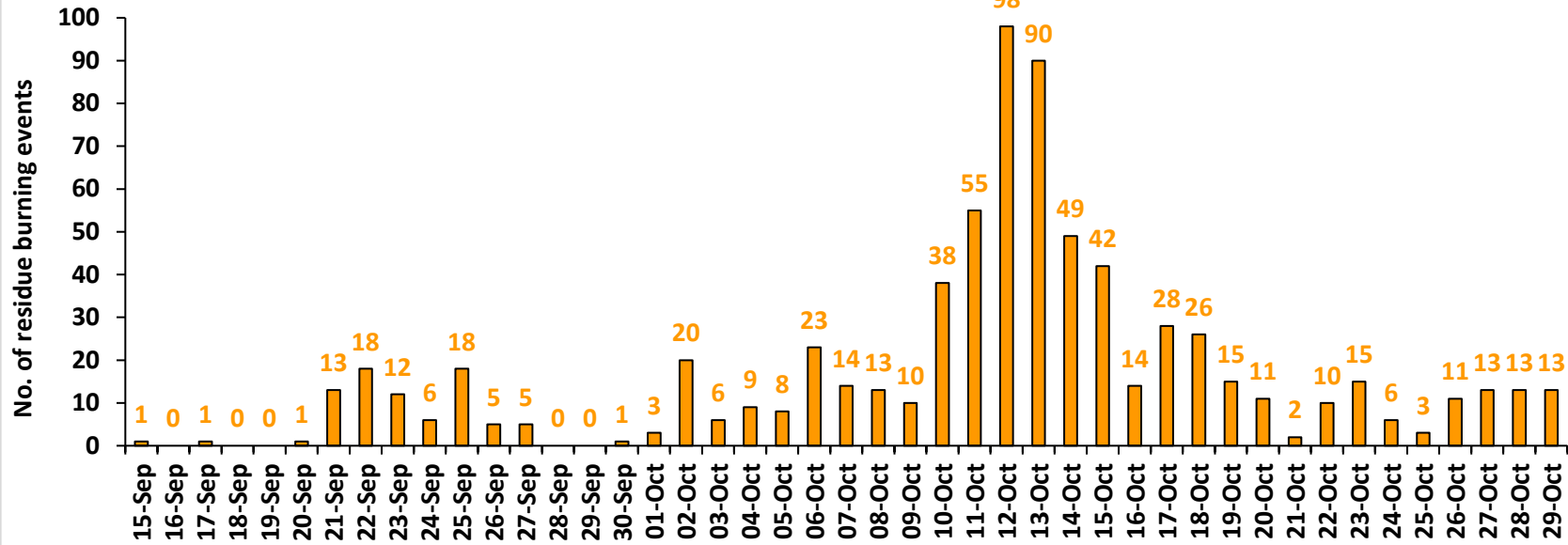
Highlights for 29-Oct-2024

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **572** residue burning events in the six study States on **29-Oct-2024**.
- The state wise events detected on **29-Oct-2024** were **219** in Punjab, **13** in Haryana, **72** in UP, **00** in Delhi, **93** in Rajasthan and **175** in MP.
- Total **6317** burning events were detected in the six states between **15-Sept-2024** and **29-Oct-2024**, which are distributed as **2356**, **739**, **992**, **12**, **714** and **1504** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

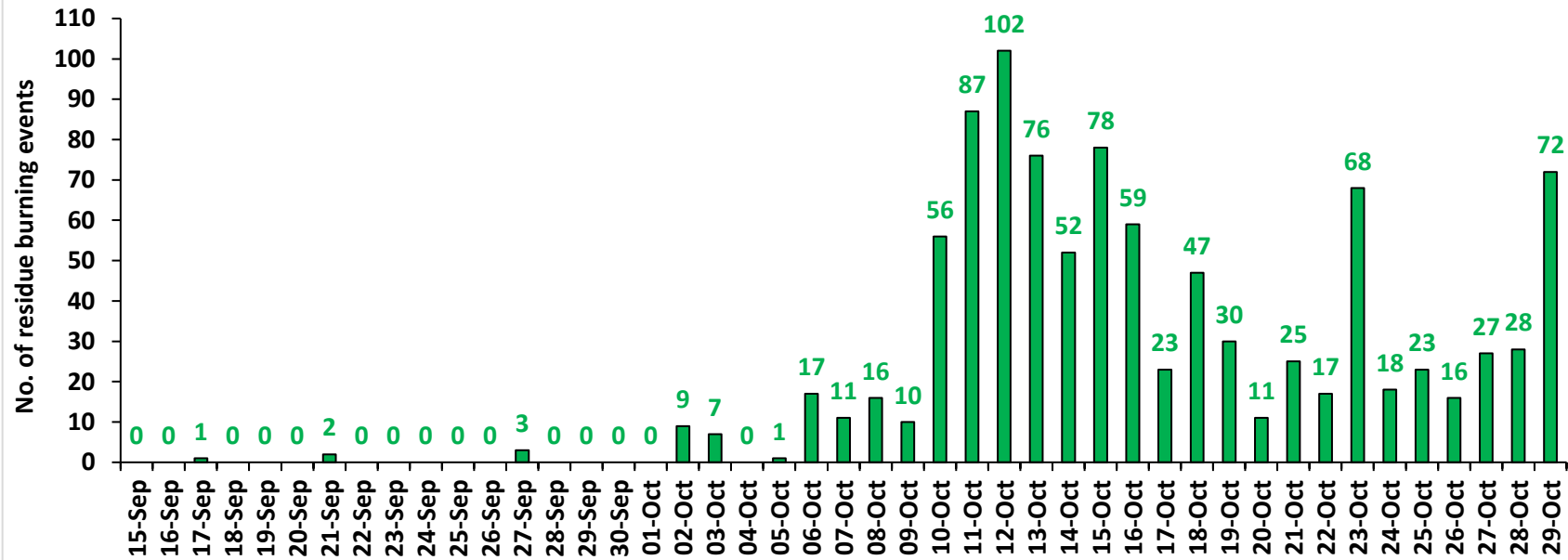
Temporal distribution of rice residue burning events for the study States in 2024



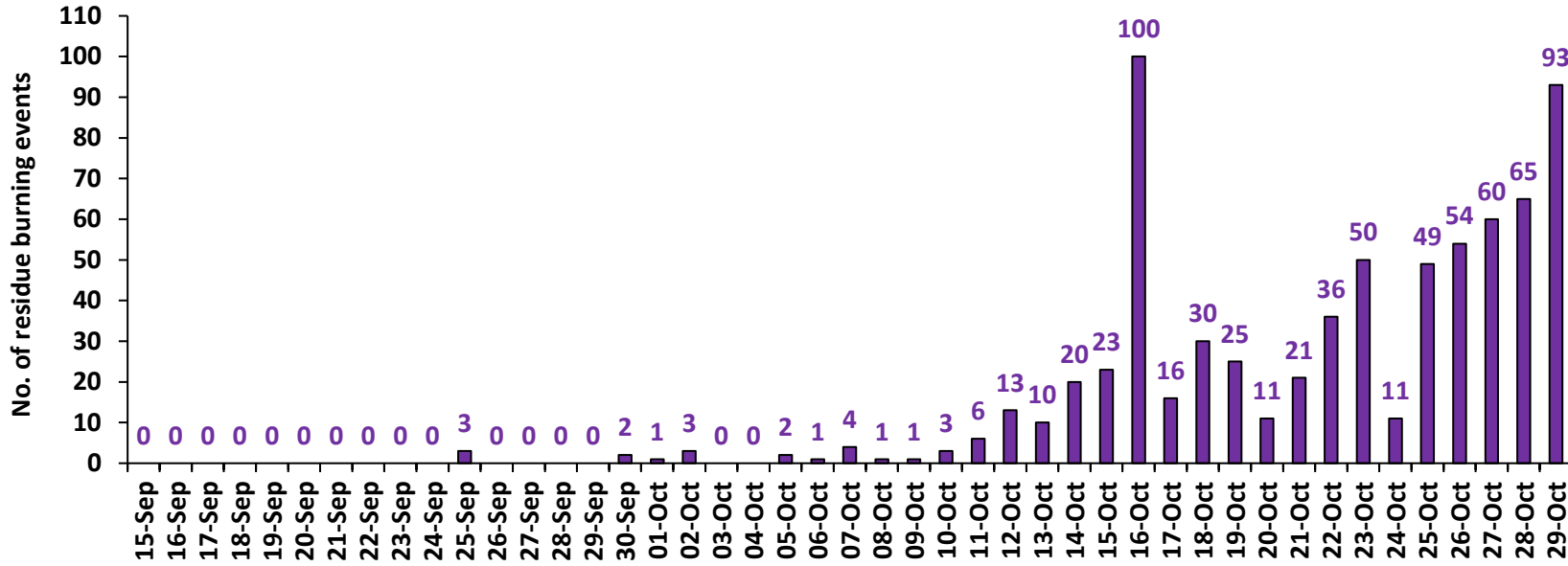
Haryana



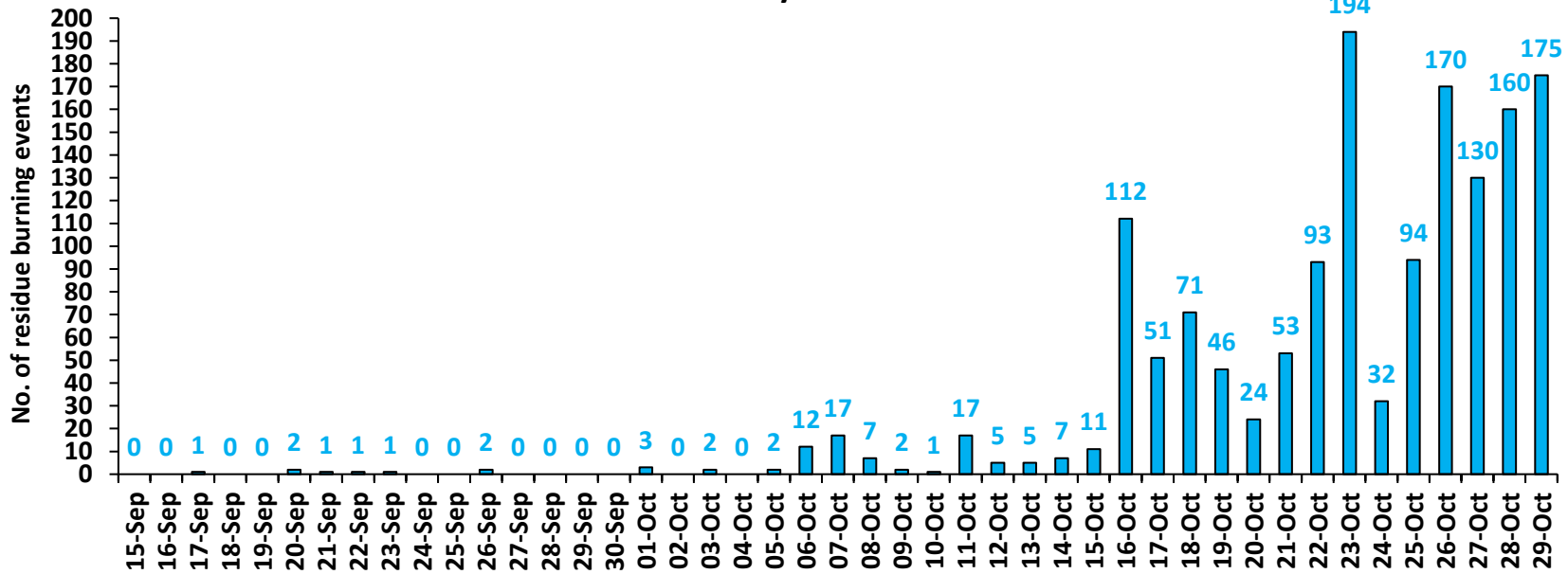
Uttar Pradesh



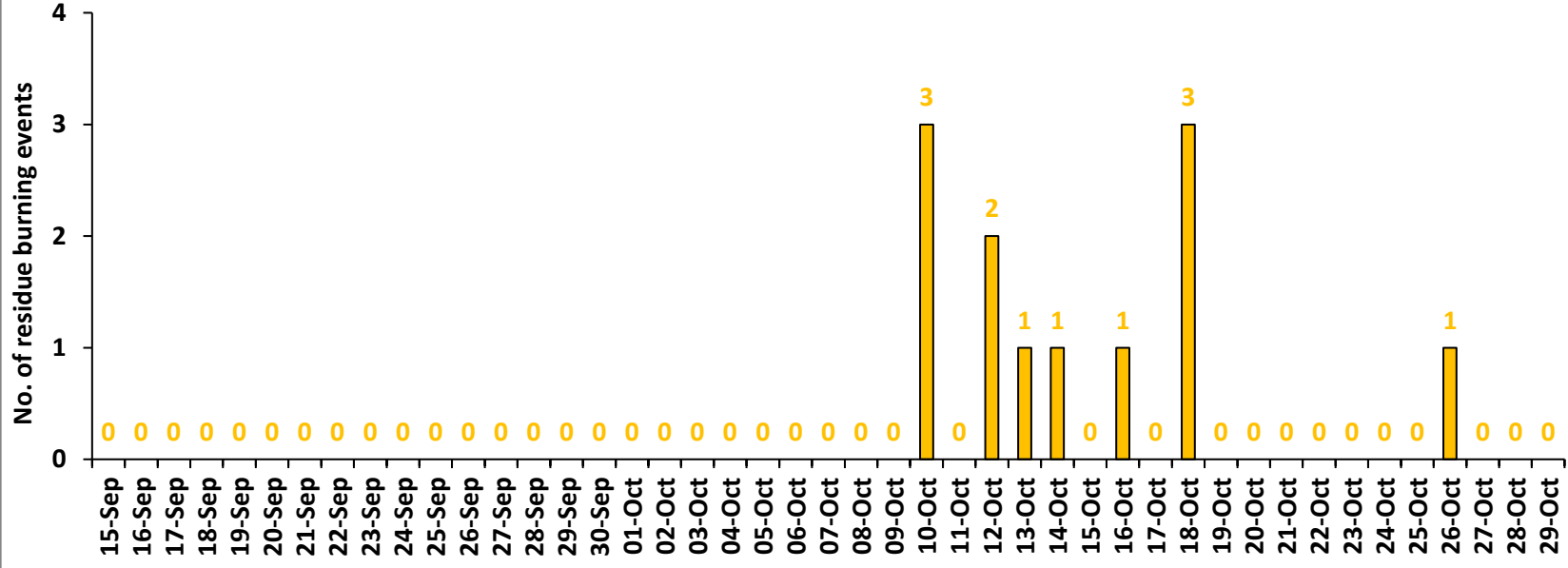
Rajasthan



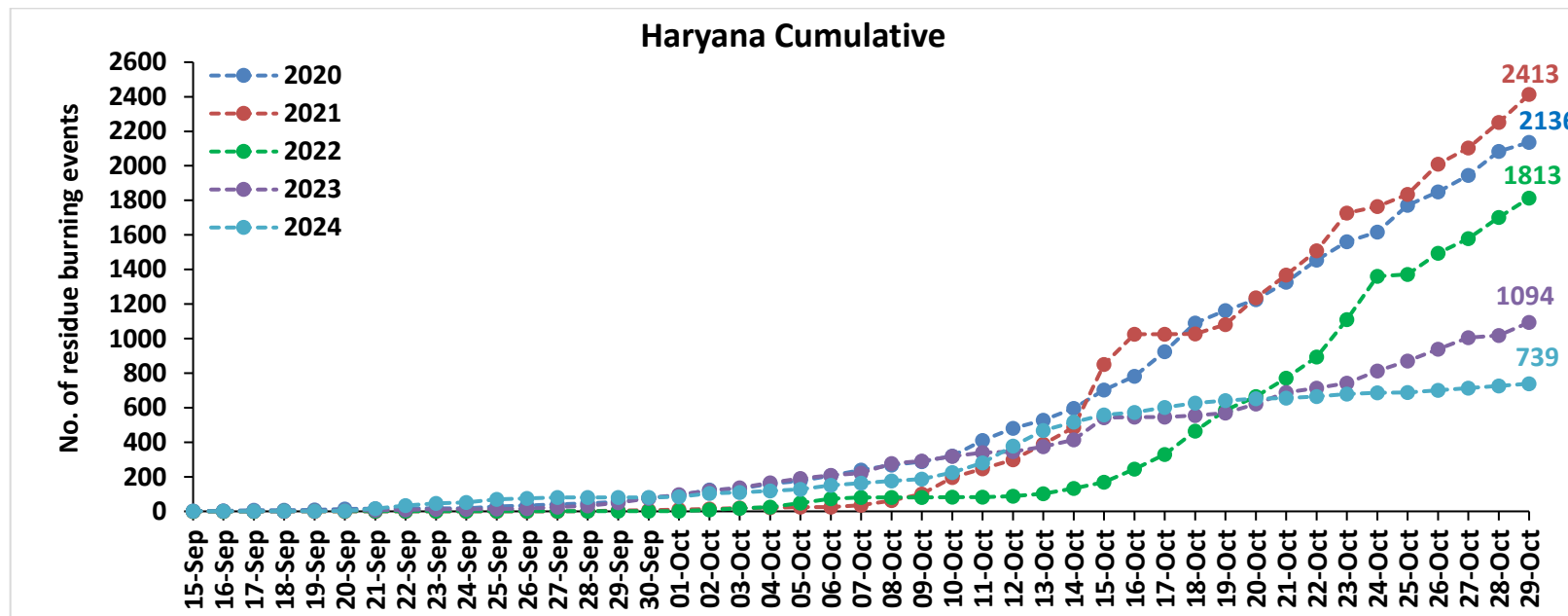
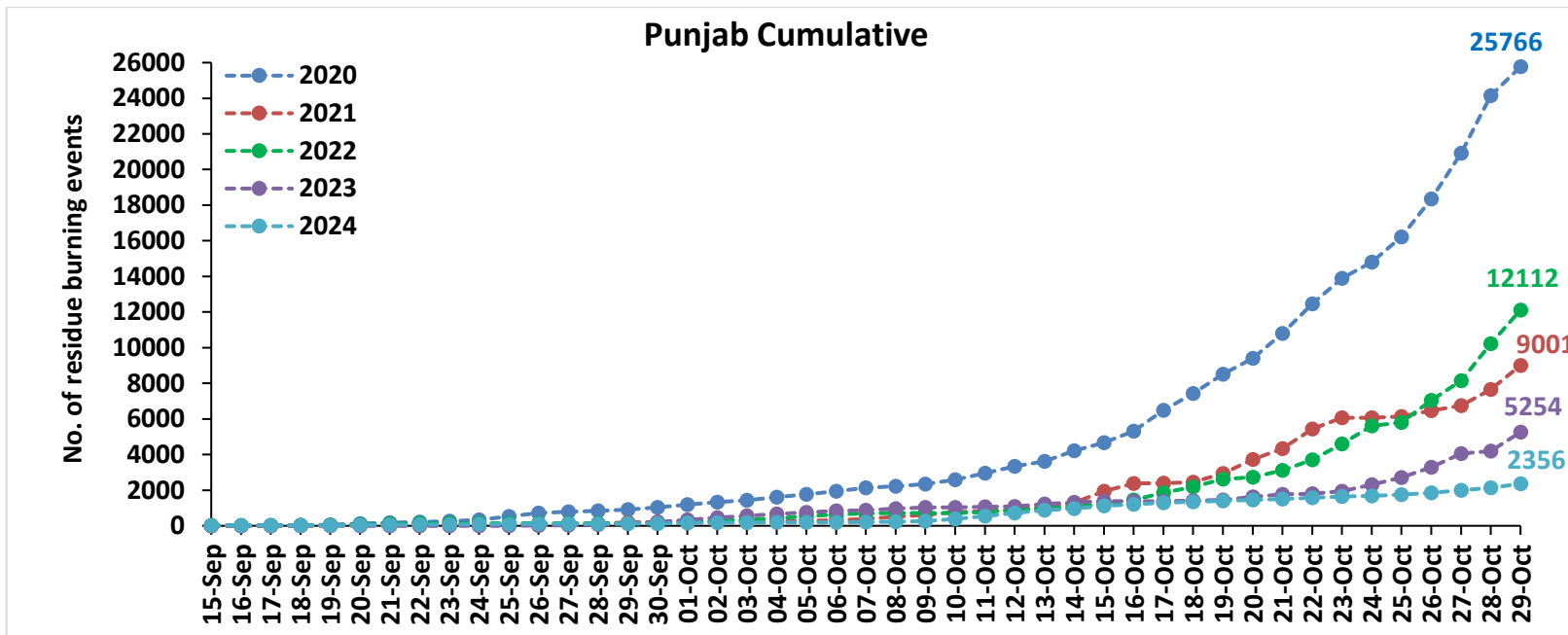
Madhya Pradesh

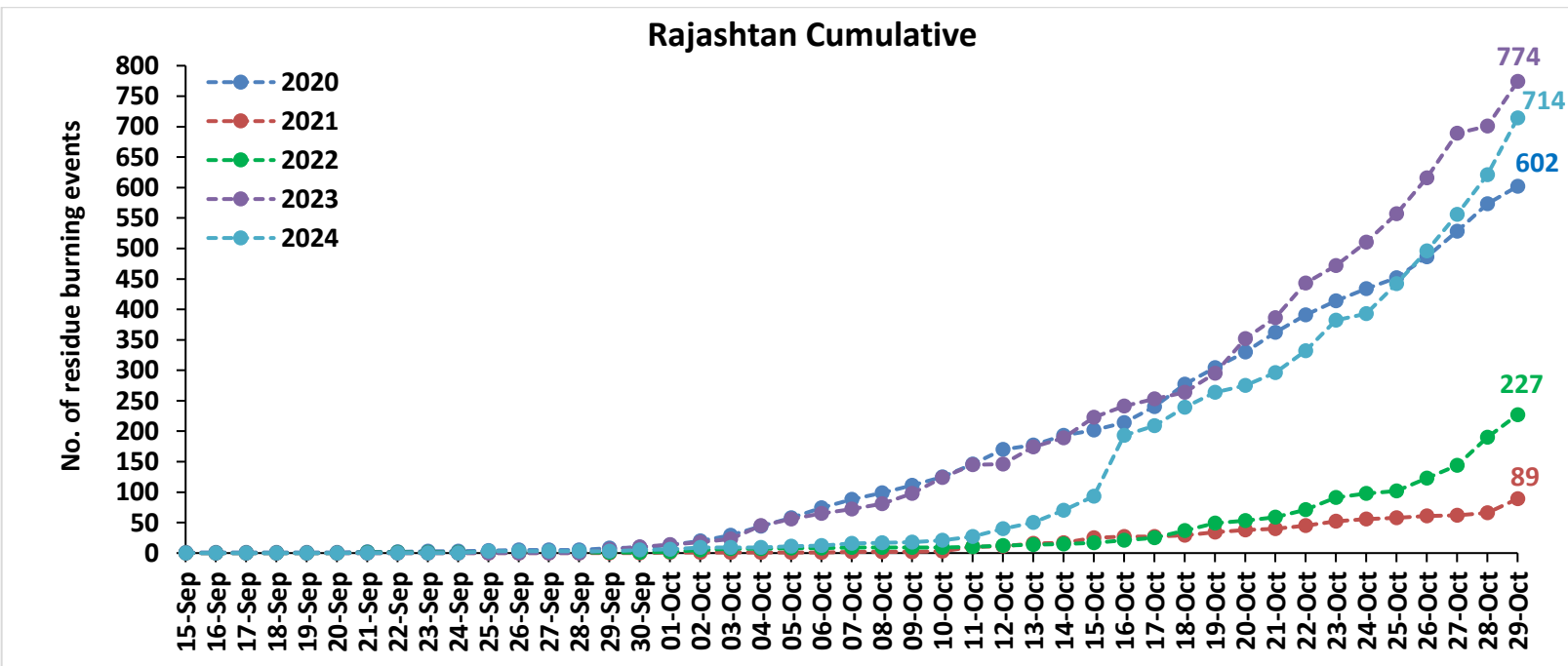
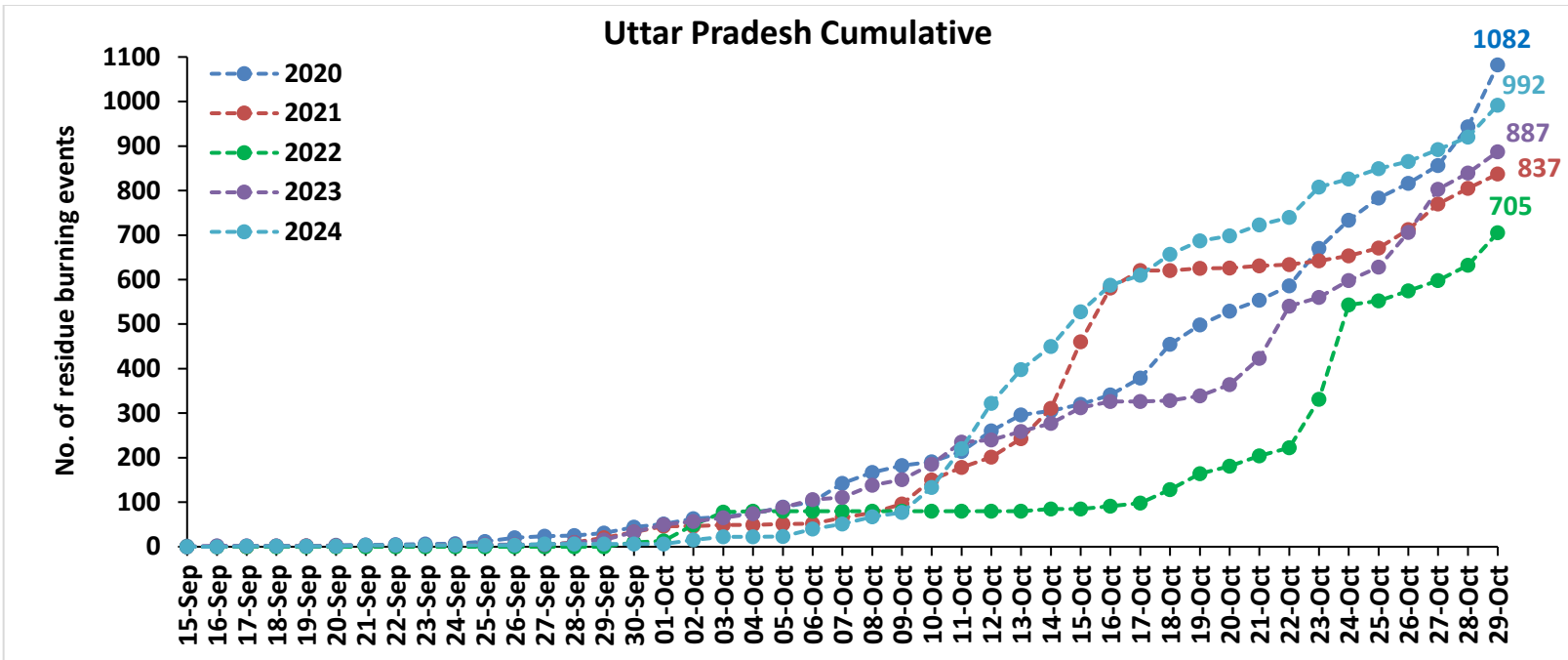


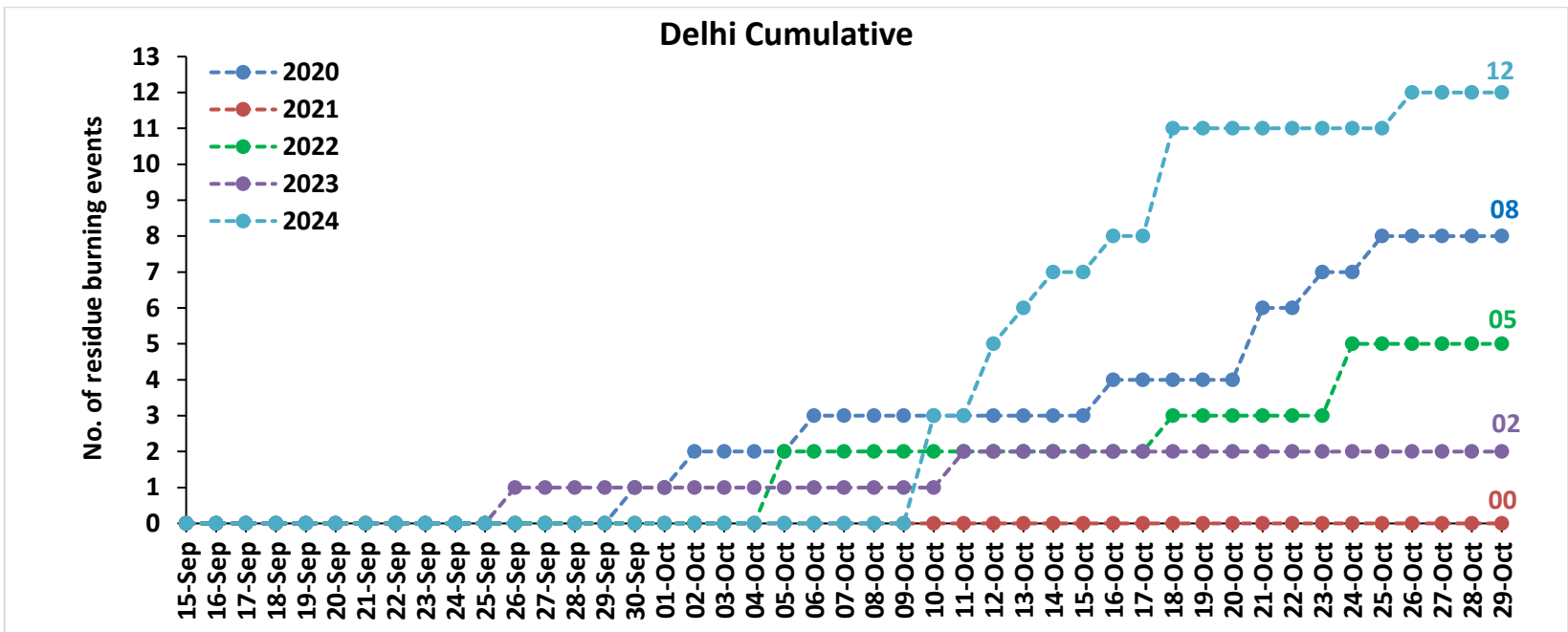
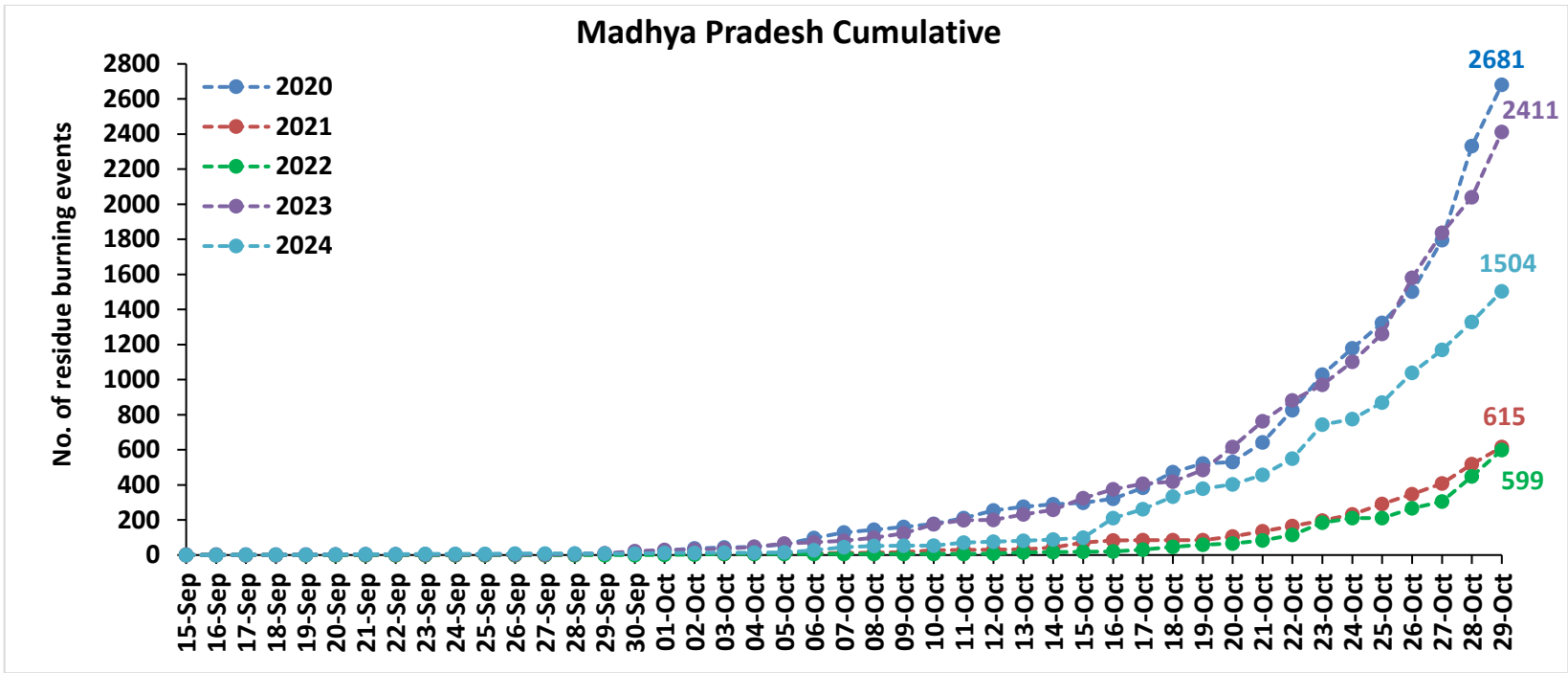
Delhi



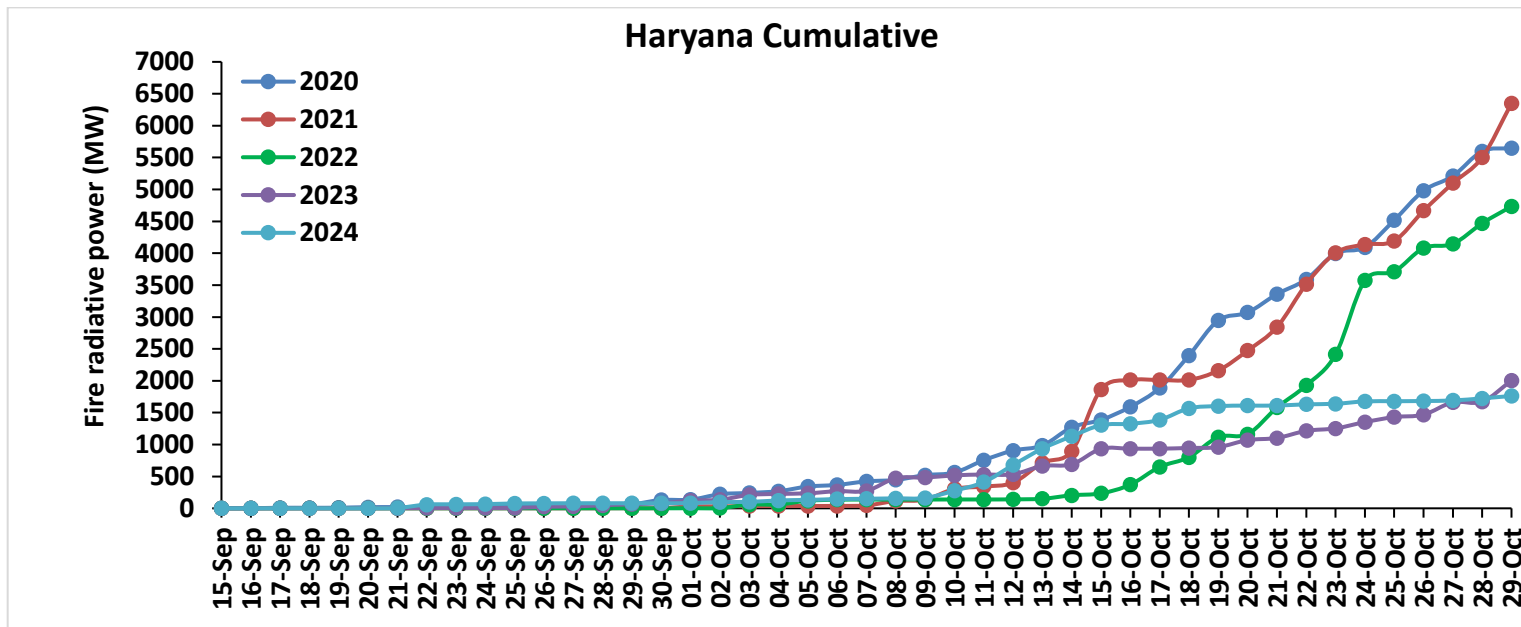
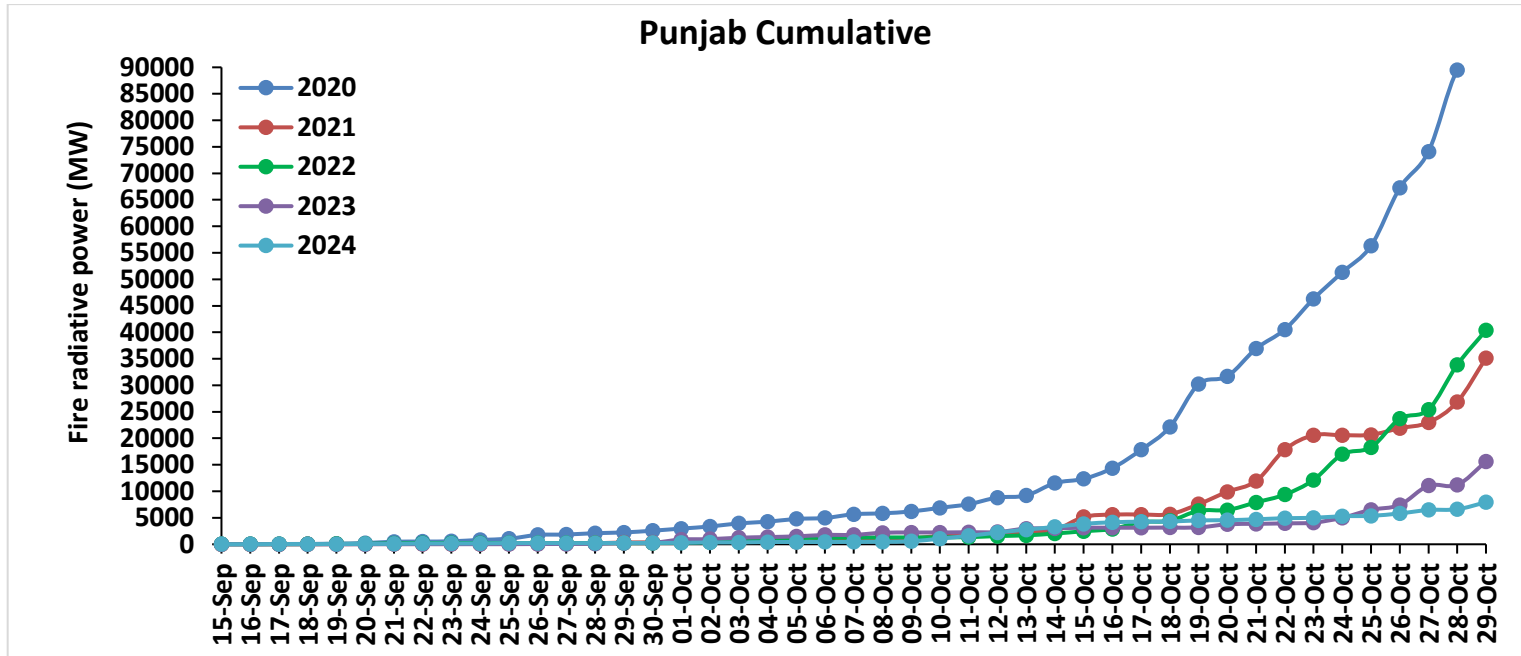
Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States

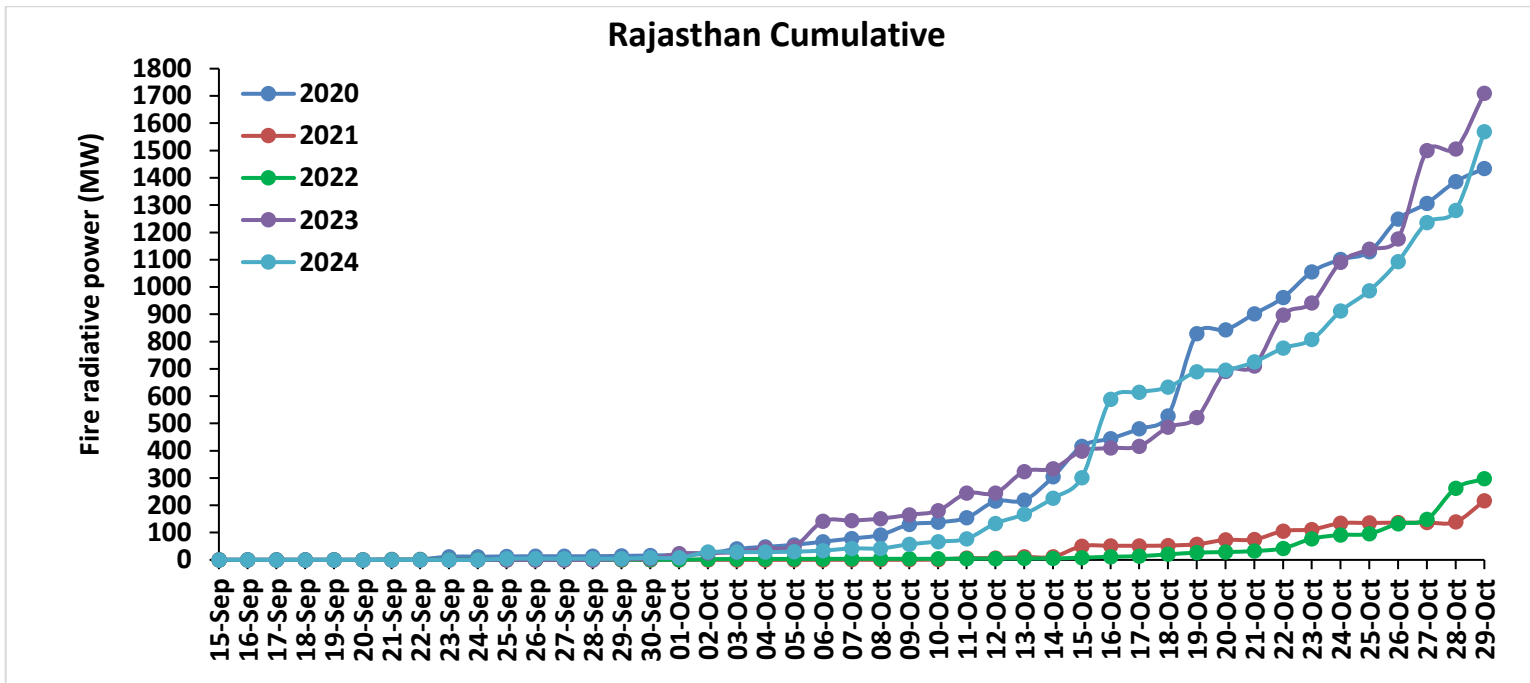
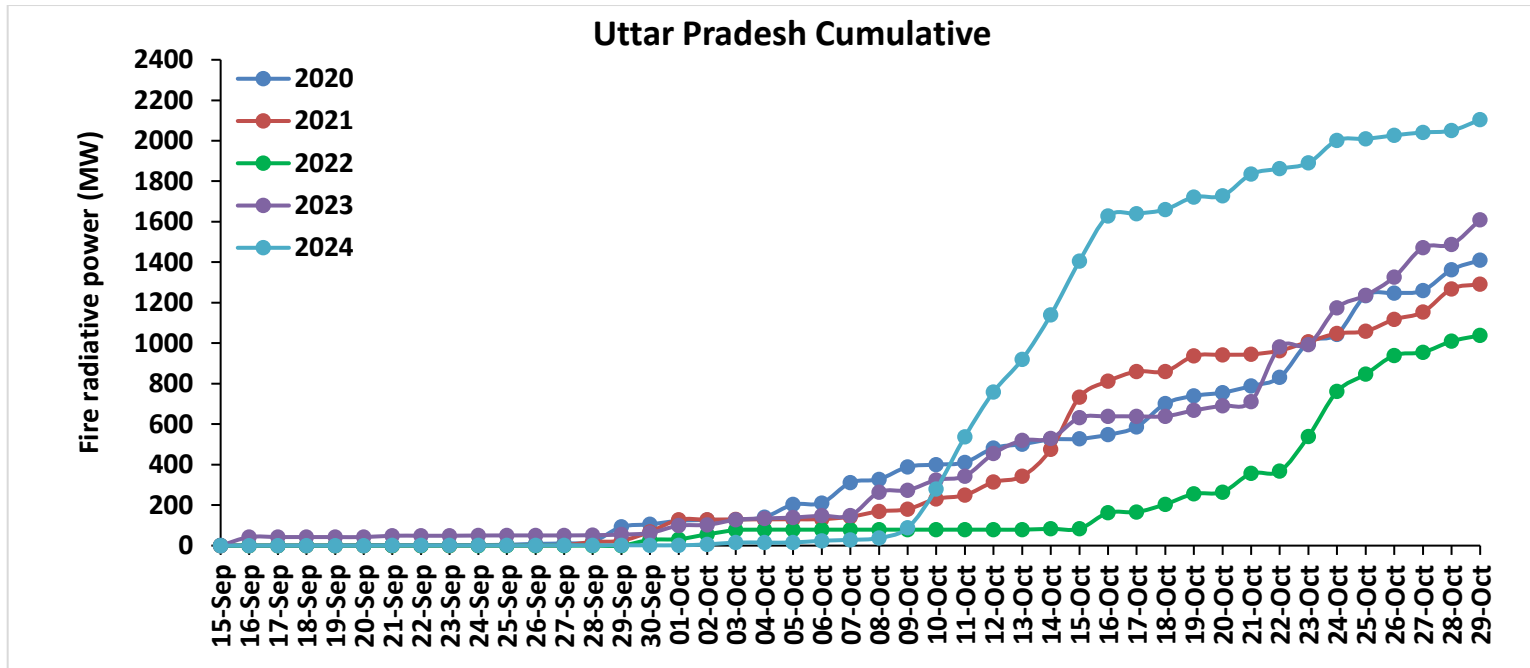


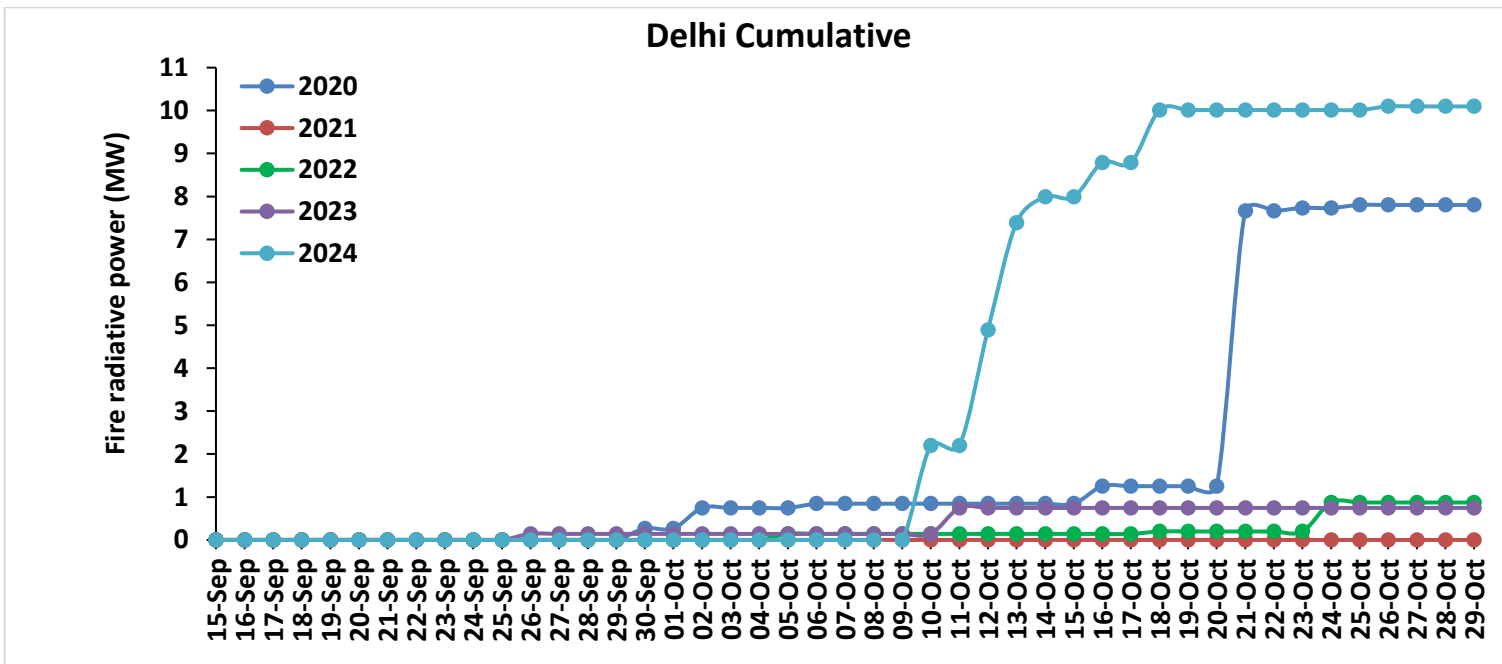
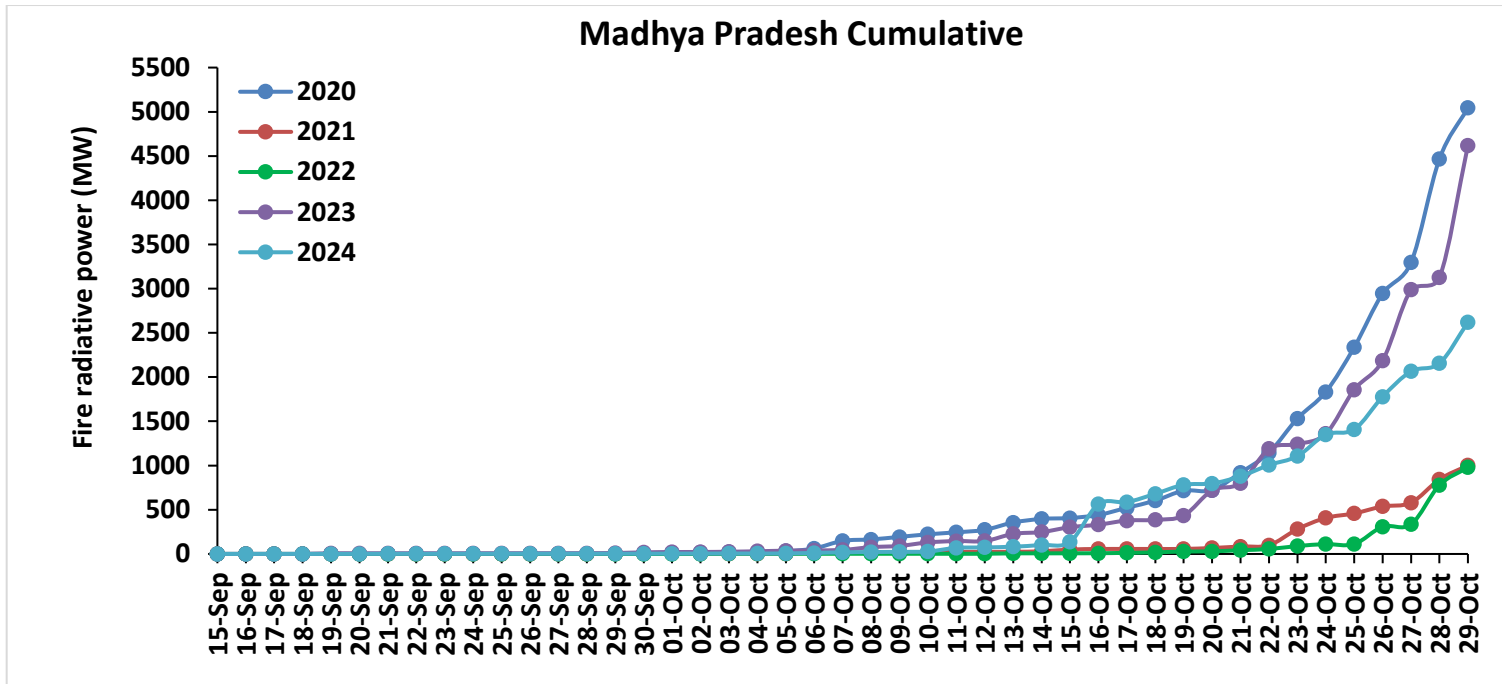




Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States

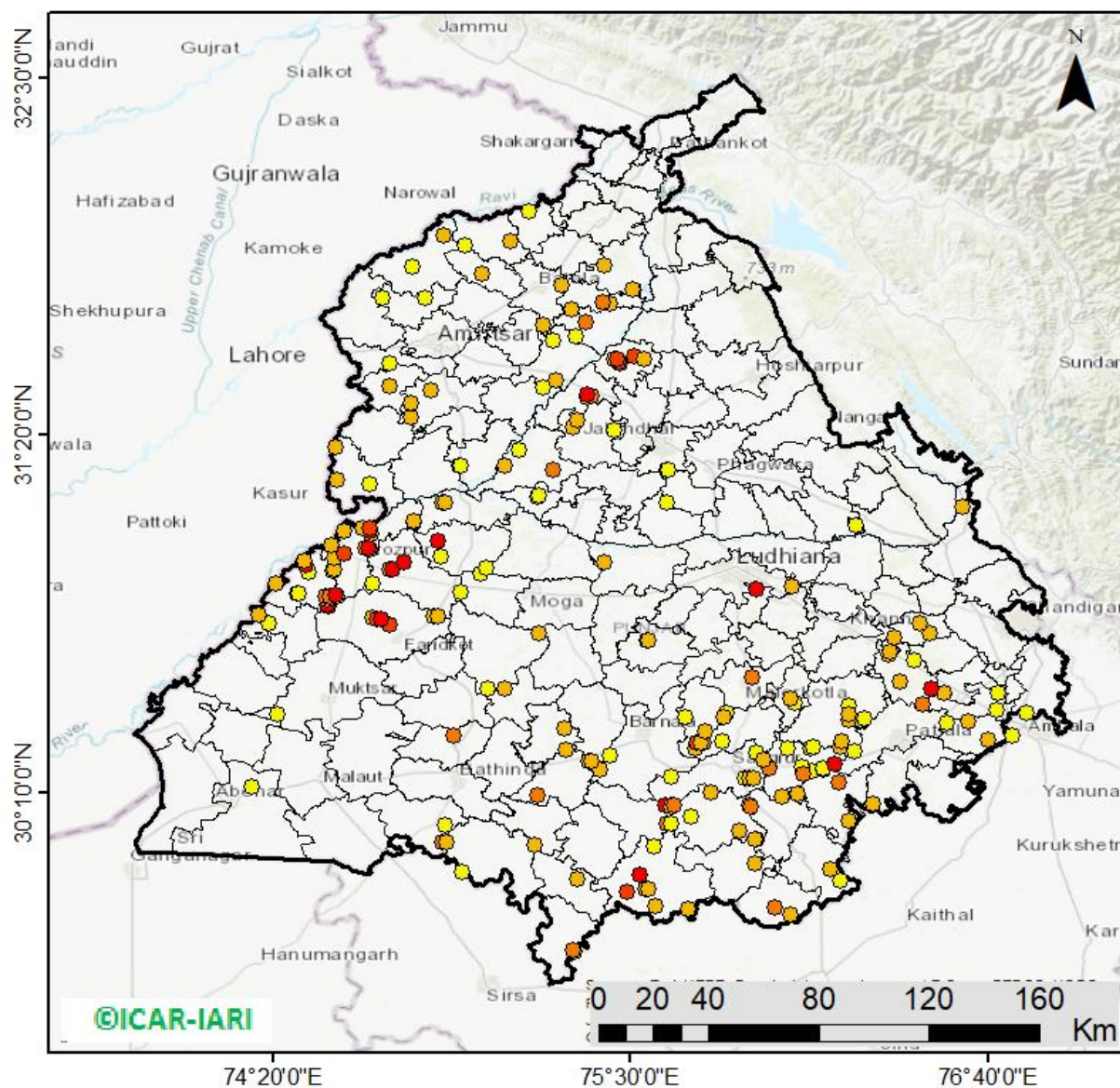






Punjab

RICE RESIDUE BURNING IN PUNJAB



219 burning events
detected in Punjab during
(29th Oct 2024)

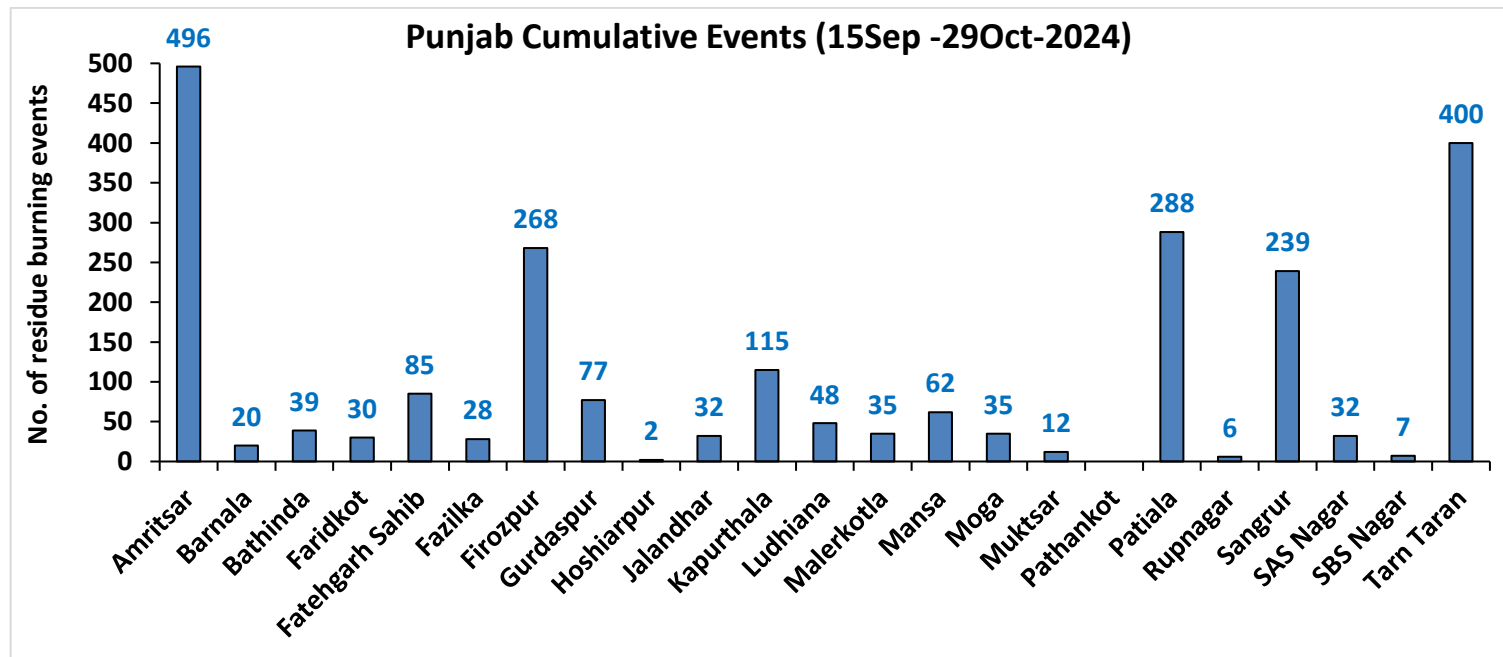
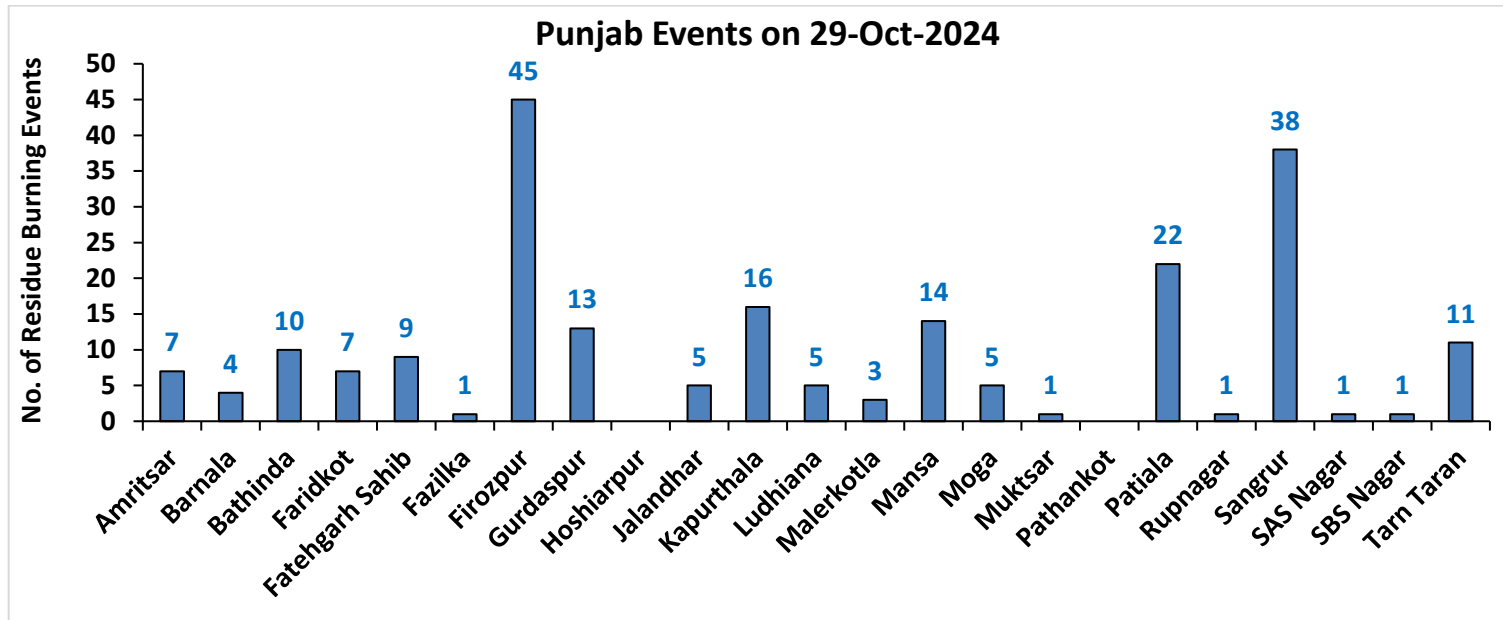
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



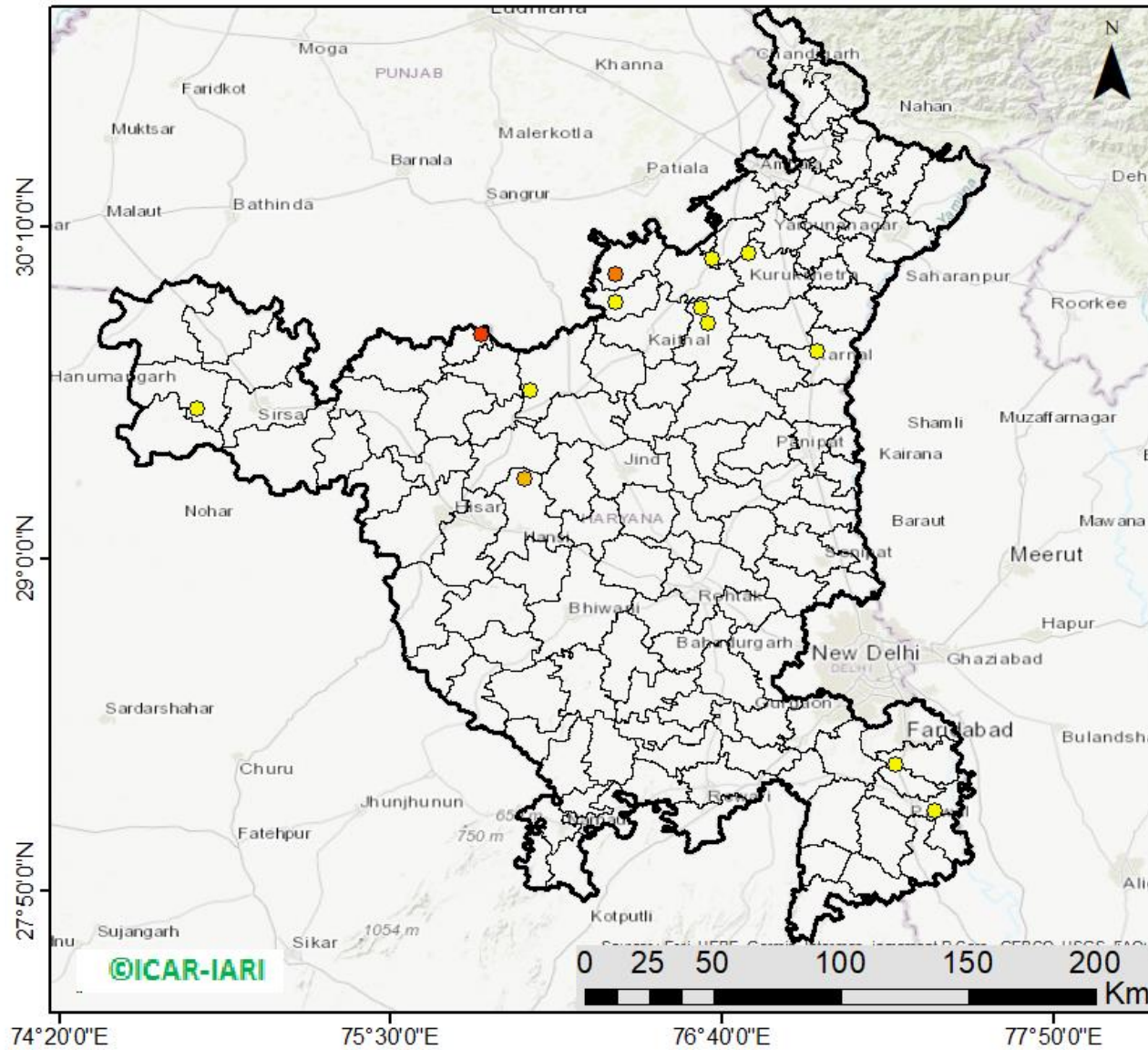
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Punjab (15Sep-29Oct-2024)



Haryana

RICE RESIDUE BURNING IN HARYANA



13 burning events detected in Haryana on (29th Oct 2024)

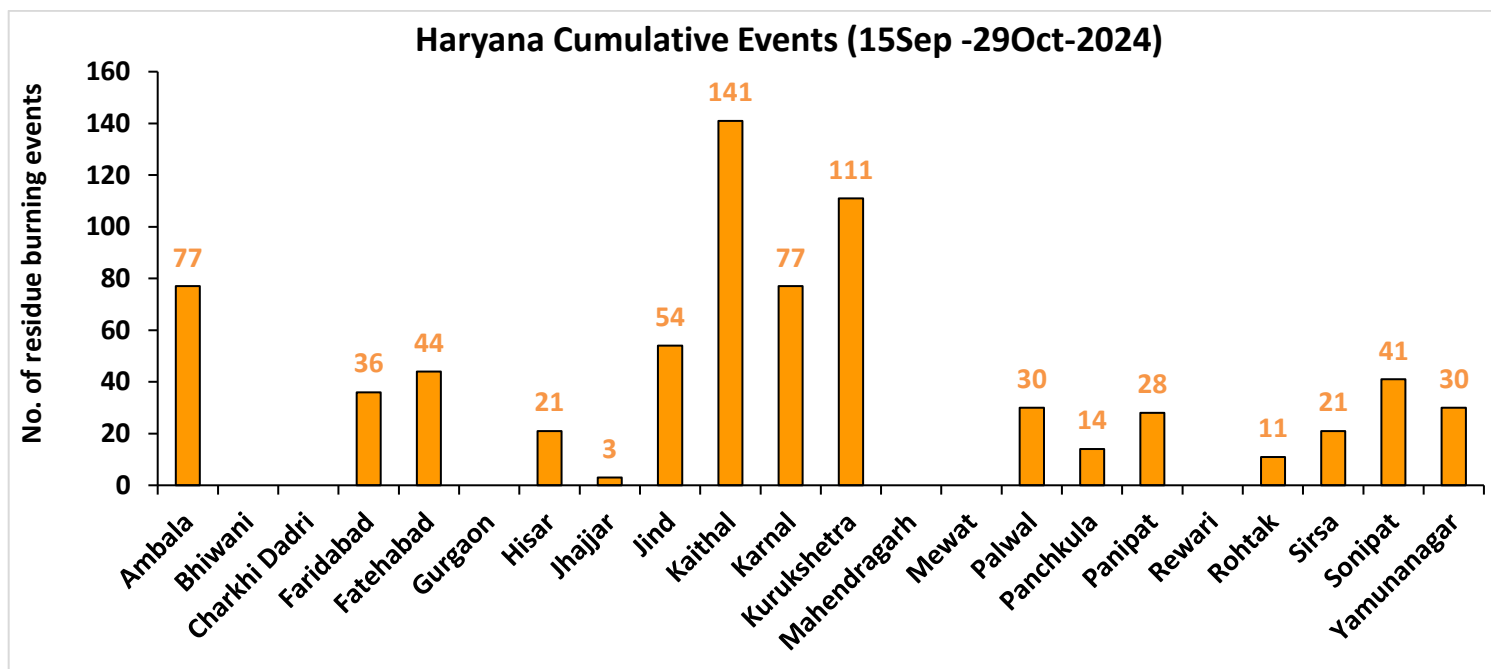
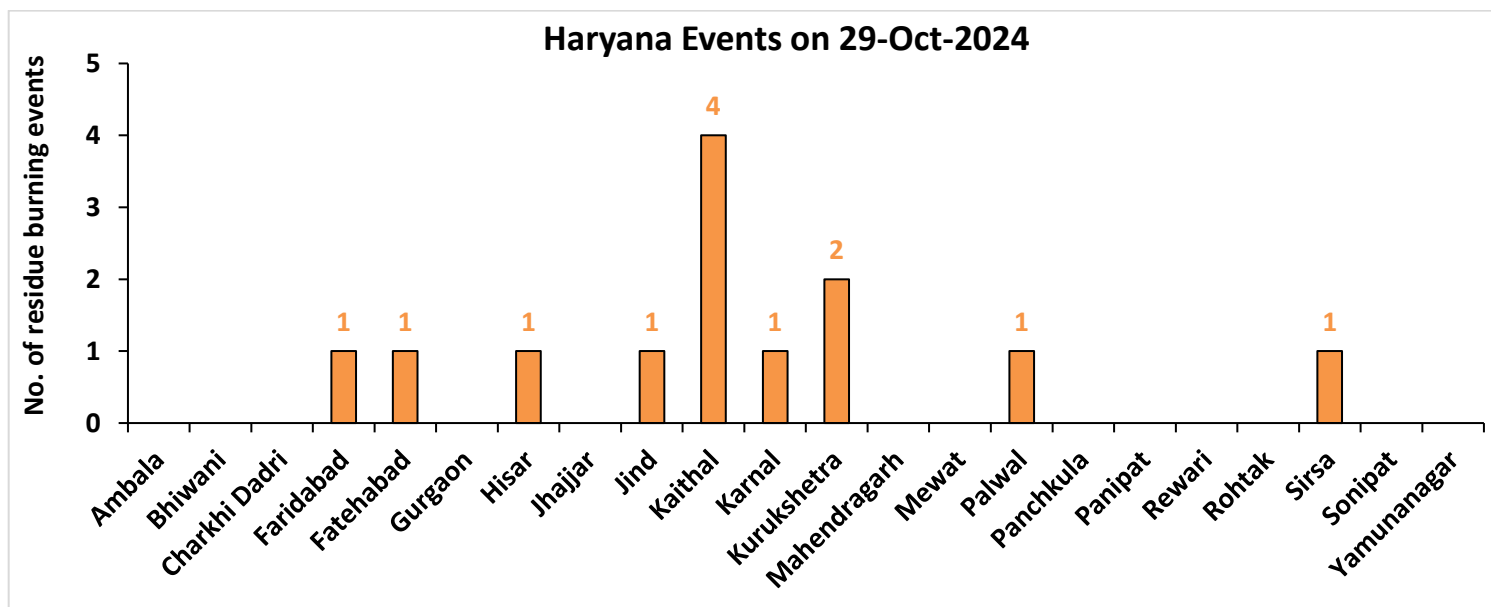
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



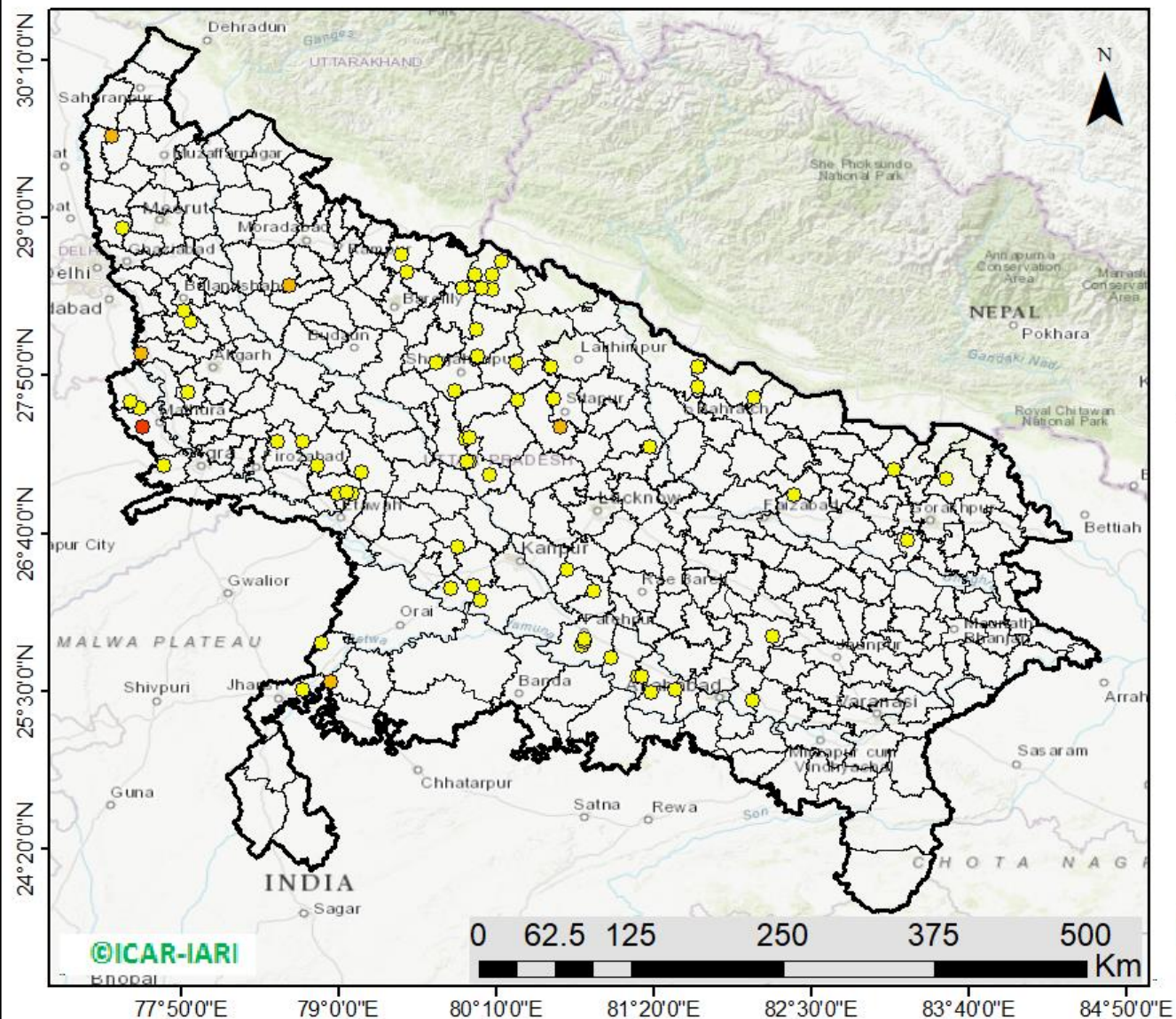
http://103.111.37.126/icar_geportal/

District-wise cumulative number of residues burning events in Haryana (15Sep-29Oct-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



72 burning events
detected in Uttar Pradesh on
(29th Oct 2024)

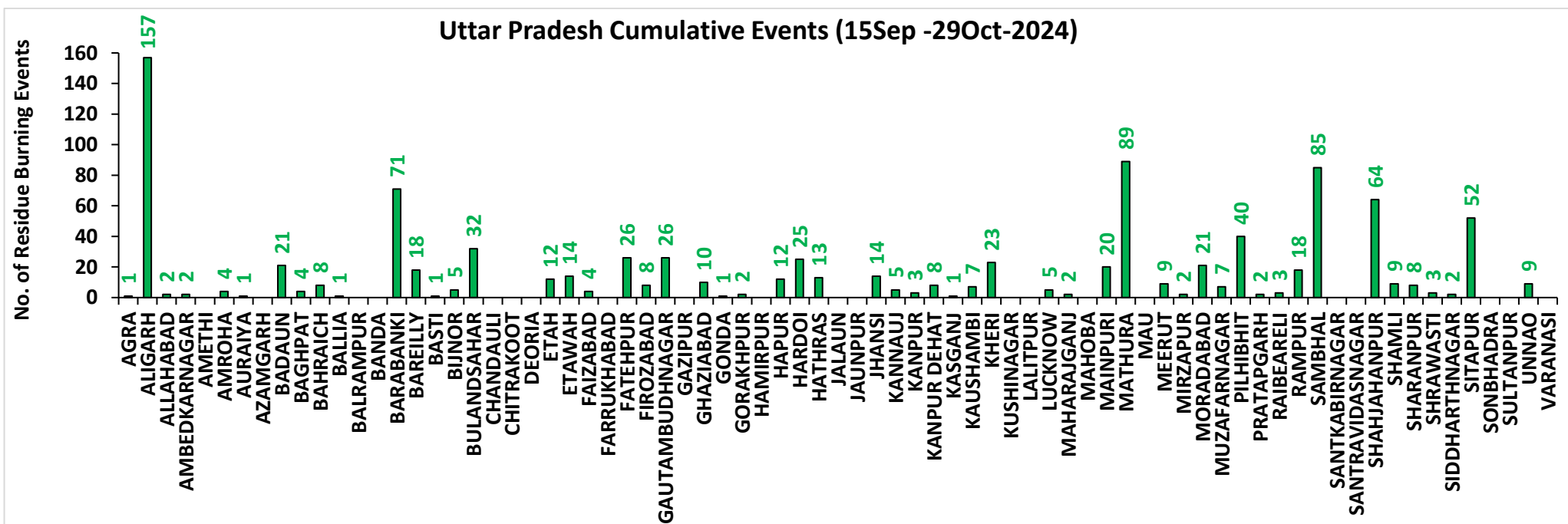
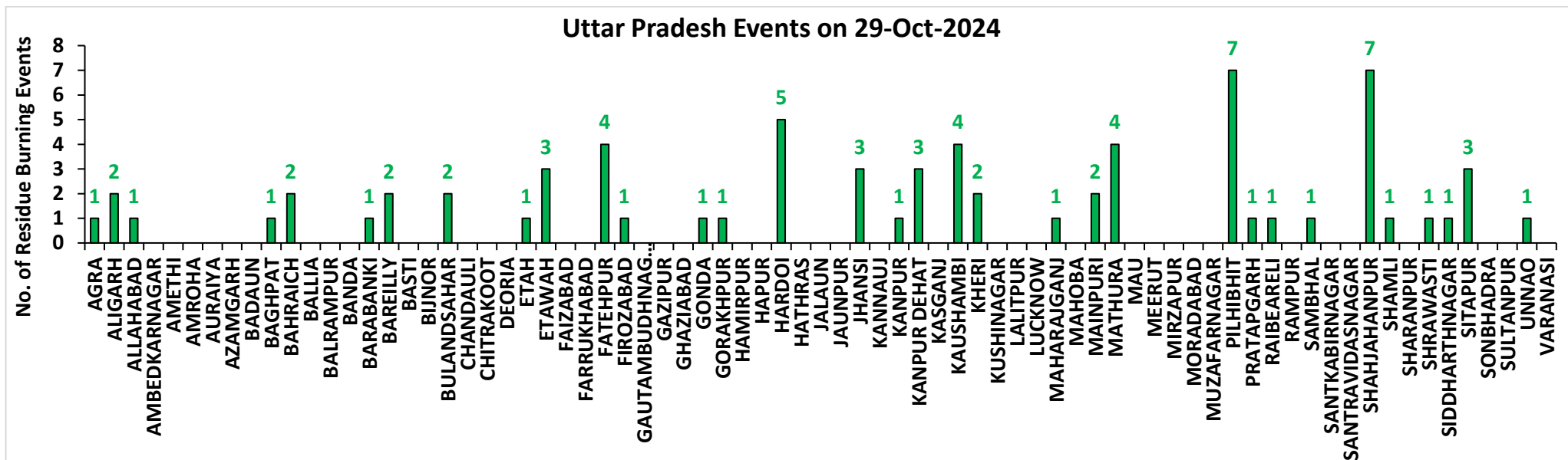
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



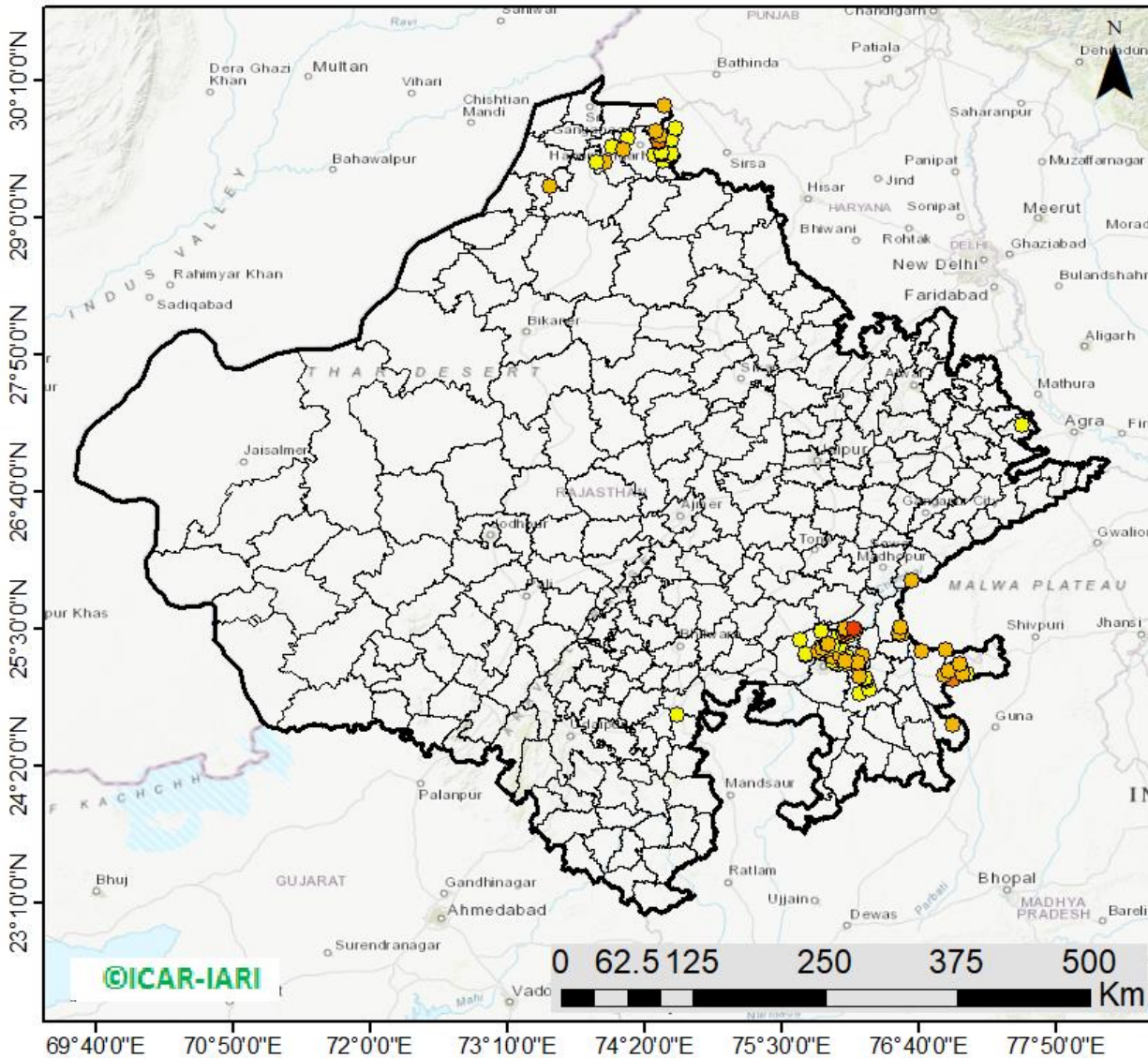
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-29Oct-2024)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



93 burning events
detected in Rajasthan on
(29th Oct 2024)

Fire Intensity (W/m²)

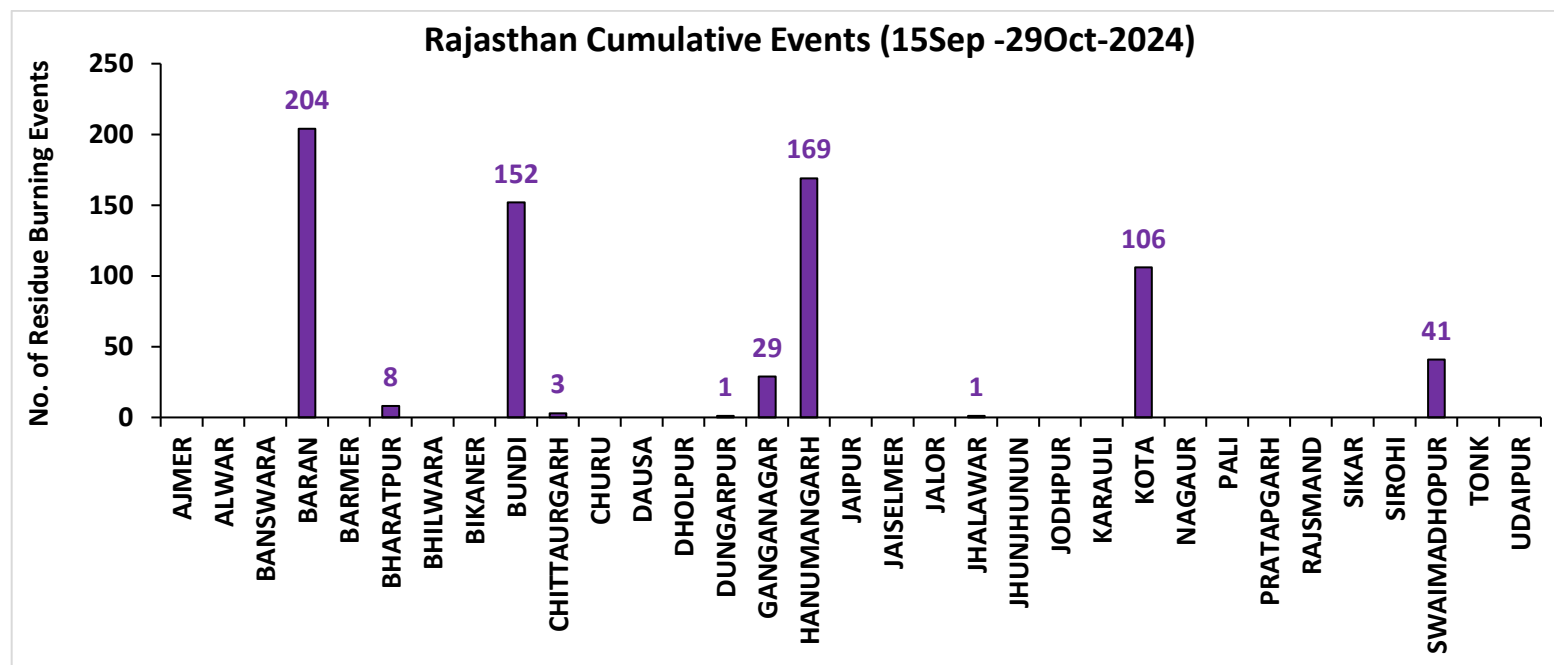
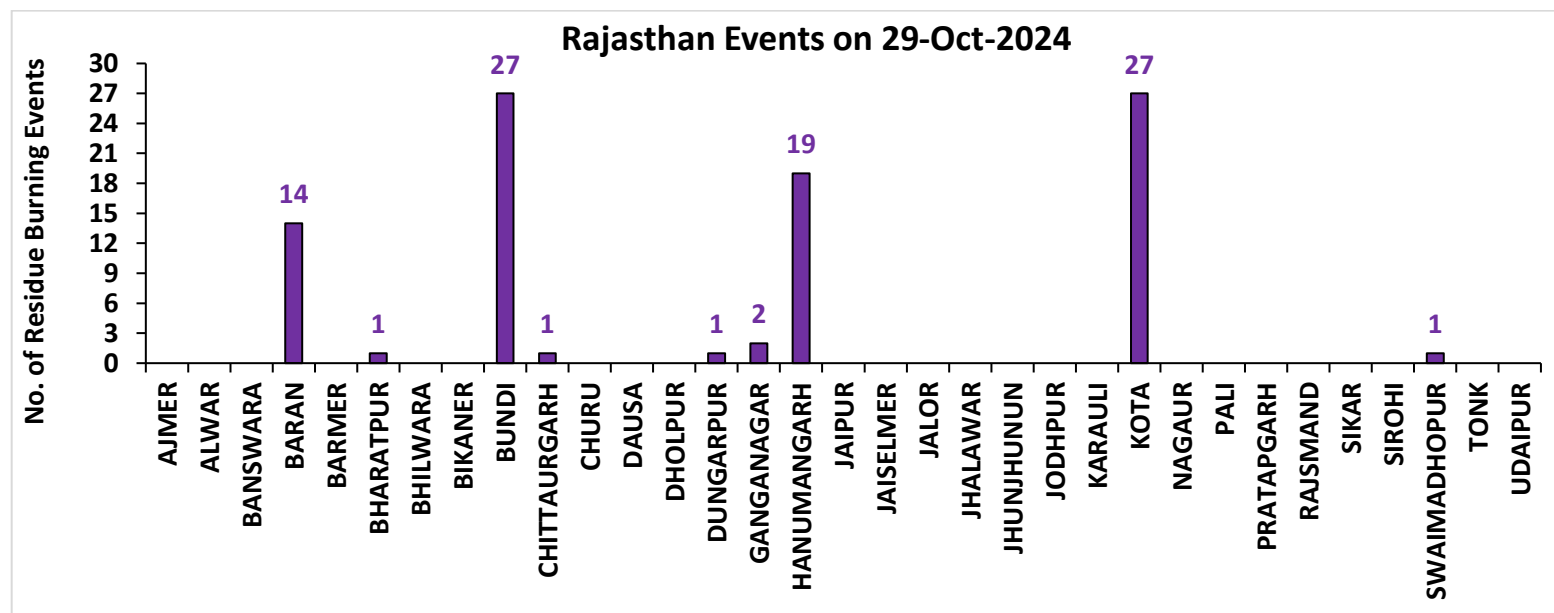
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

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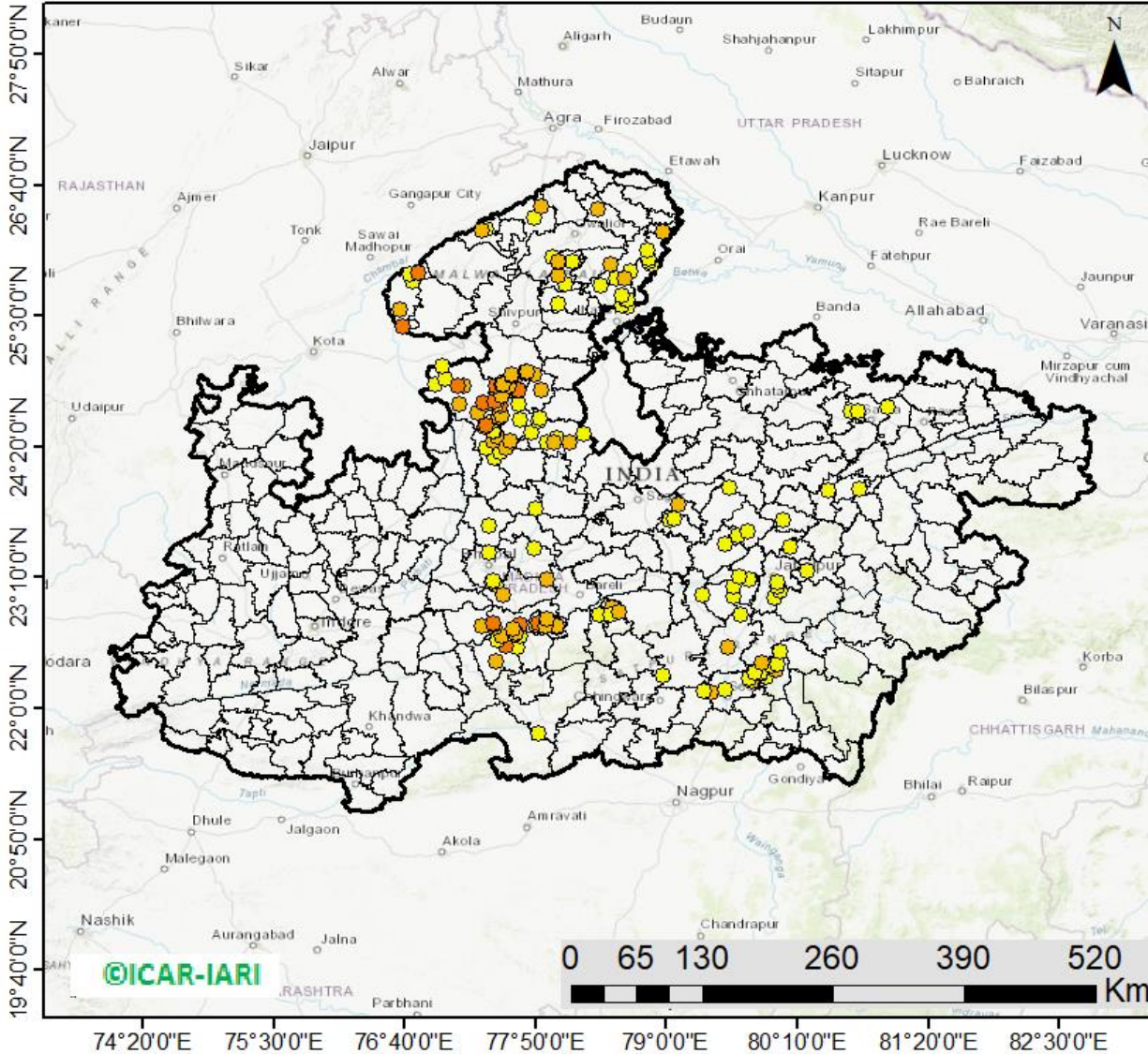
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Rajasthan (15Sep-29Oct-2024)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



175 burning events
detected in MP on
(29th Oct 2024)

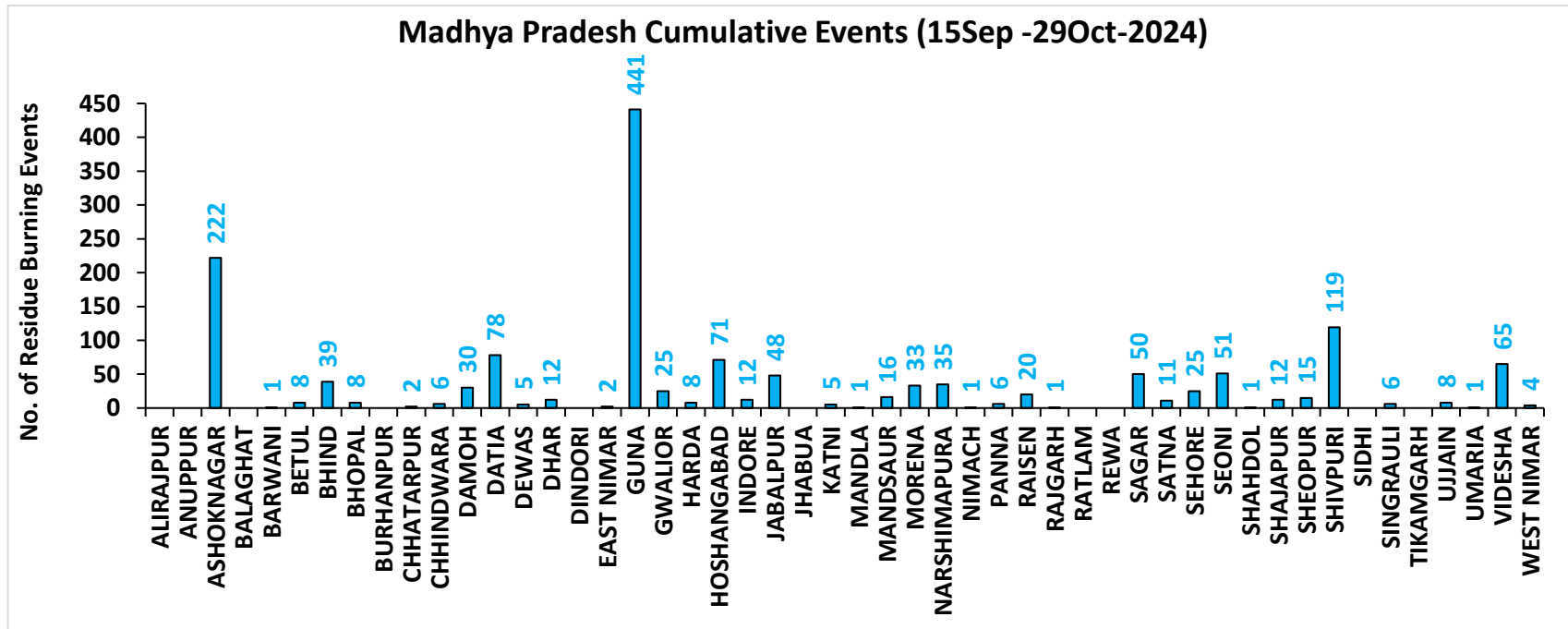
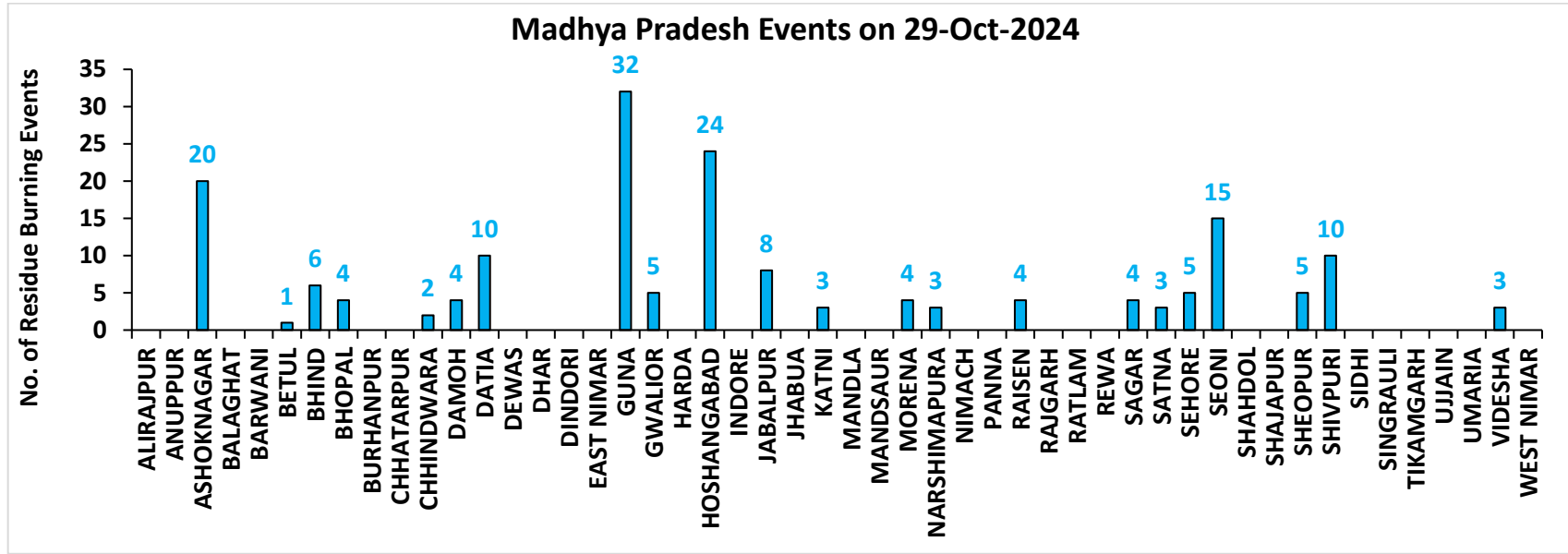
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



http://103.111.37.126/icar_geportal/

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-29Oct-2024)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024
(Period: 15 September-29 October)

(a) Punjab

District	15 Sep-29 Oct				
	2020	2021	2022	2023	2024
Amritsar	2614	1042	1296	1060	496
Barnala	434	240	307	54	20
Bathinda	609	272	428	83	39
Faridkot	1284	554	174	104	30
Fatehgarh Sahib	831	292	539	263	85
Fazilka	337	142	114	46	28
Firozpur	3435	679	730	505	268
Gurdaspur	1785	421	777	109	77
Hoshiarpur	299	95	142	10	2
Jalandhar	706	391	609	141	32
Kapurthala	1264	567	786	224	115
Ludhiana	984	578	558	224	48
Malerkotla	0	0	0	24	35
Mansa	446	90	236	271	62
Moga	707	325	295	170	35
Muktsar	749	279	171	48	12
Pathankot	8	1	0	1	0
Patiala	2573	777	1364	590	288
Rupnagar	103	46	117	13	6
Sangrur	1998	322	1167	540	239
SAS NAGAR (Mohali)	106	64	74	103	32
SBS Nagar	56	38	40	25	7
Tarn Taran	4438	1786	2188	646	400
Total	25766	9001	12112	5254	2356

(b) Haryana

District	15 Sep-29 Oct				
	2020	2021	2022	2023	2024
AMBALA	287	136	145	147	77
BHIWANI	0	0	0	2	0
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	1	2	1	3	36
FATEHABAD	191	220	244	180	44
GURGAON	0	0	0	0	0
HISAR	11	11	32	61	21
JHAJJAR	3	0	1	5	3
JIND	73	122	179	132	54
KAITHAL	486	659	491	151	141
KARNAL	483	660	236	61	77
KURUKSHETRA	367	411	275	120	111
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	35	38	24	50	30
PANCHKULA	0	0	0	1	14
PANIPAT	16	28	27	20	28
REWARI	0	0	0	0	0
ROHTAK	6	0	0	10	11
SIRSA	49	29	41	29	21
SONIPAT	19	9	13	54	41
YAMUNANAGAR	109	88	104	68	30
Total	2136	2413	1813	1094	739

(c) Uttar Pradesh

District	15 Sep-29 Oct																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	7	9	9	9	26	MUZAFARNAGAR	5	3	1	2	7
AGRA	2	0	0	4	1	GAZIPUR	0	0	0	1	0	PILHIBHIT	10	119	96	80	40
ALIGARH	75	25	27	78	157	GHAZIABAD	8	5	2	13	10	PRATAPGARH	4	0	3	5	2
ALLAHABAD	4	2	2	2	2	GONDA	1	0	0	0	1	RAIBEARELI	2	1	2	3	3
AMBEDKARNAGAR	1	0	0	0	2	GORAKHPUR	3	0	0	1	2	RAMPUR	82	62	50	59	18
AMETHI	2	2	4	3	0	HAMIRPUR	1	0	0	0	0	SAMBHAL	7	7	7	13	85
AMROHA	3	0	0	2	4	HAPUR	7	3	2	0	12	SANTKABIRNAGAR	0	0	1	2	0
AURAIYA	20	11	8	13	1	HARDOI	29	7	14	33	25	SANTRAVIDASNAGAR	0	0	0	0	0
AZAMGARH	4	0	0	1	0	HATHRAS	0	0	1	2	13	SHAHJAHANPUR	60	204	216	46	64
BADAUN	2	6	0	4	21	JALAUN	3	0	0	0	0	SHAMLI	25	17	6	5	9
BAGHPAT	5	1	2	1	4	JAUNPUR	2	1	0	1	0	SHARANPUR	57	30	8	8	8
BAHRAICH	48	8	7	6	8	JHANSI	37	7	3	43	14	SHRAWASTI	17	3	2	7	3
BALLIA	1	0	0	0	1	KANNAUJ	14	2	1	1	5	SIDDHARTHANAGAR	1	0	0	0	2
BALRAMPUR	16	3	2	2	0	KANPUR	11	7	10	23	3	SITAPUR	29	20	7	8	52
BANDA	1	0	0	0	0	KANPUR DEHAT	23	2	1	28	8	SONBHADRA	0	0	0	0	0
BARABANKI	24	25	29	48	71	KASGANJ	2	2	0	3	1	SULTANPUR	1	1	0	2	0
BAREILLY	31	18	12	26	18	KAUSHAMBI	19	11	6	24	7	UNNAO	9	1	1	16	9
BASTI	6	1	0	1	1	KHERI	63	67	77	14	23	VARANASI	1	0	0	0	0
BIJNOR	8	6	2	6	5	KUSHINAGAR	3	0	0	2	0	Total	1082	837	705	887	992
BULANDSAHAR	29	2	7	6	32	LALITPUR	0	1	3	2	0						
CHANDAULI	0	0	0	0	0	LUCKNOW	9	8	1	4	5						
CHITRAKOOT	0	3	2	3	0	MAHARAJGANJ	2	0	1	2	2						
DEORIA	6	0	1	2	0	MAHOBA	12	0	0	0	0						
ETAH	13	6	1	13	12	MAINPURI	18	10	12	24	20						
ETAWAH	14	8	7	44	14	MATHURA	92	67	17	84	89						
FAIZABAD	3	0	0	3	4	MAU	0	0	0	0	0						
FARRUKHABAD	2	0	0	1	0	MEERUT	16	5	4	3	9						
FATEHPUR	42	15	26	35	26	MIRZAPUR	6	5	2	0	2						
FIROZABAD	14	5	0	5	8	MORADABAD	8	3	0	5	21						

(d) Delhi

District	15 Sep-29 Oct				
	2020	2021	2022	2023	2024
CENTRAL	0	0	0	0	0
EAST	0	0	0	0	0
NEW DELHI	0	0	0	0	0
NORTH	2	0	5	2	8
NORTH EAST	0	0	0	0	0
NORTH WEST DELHI	3	0	0	0	4
SHAHADRA	0	0	0	0	0
SOUTH	1	0	0	0	0
SOUTH EAST	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0
WEST DELHI	2	0	0	0	0
Total	8	0	5	2	12

(e) Rajasthan

District	15 Sep-29 Oct				
	2020	2021	2022	2023	2024
AJMER	2	0	0	0	0
ALWAR	4	0	0	0	0
BANSWARA	0	0	0	0	0
BARAN	127	0	29	275	204
BARMER	3	0	0	0	0
BHARATPUR	2	2	1	2	8
BHILWARA	6	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	55	7	87	147	152
CHITTAURGARH	0	4	3	8	3
CHURU	0	0	0	0	0
DAUSA	0	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	0	0	1
GANGANAGAR	10	2	10	16	29
HANUMANGARH	273	71	32	94	169
JAIPUR	2	0	0	0	0
JAISELMER	3	0	0	0	0
JALOR	0	0	0	0	0
JHALAWAR	2	0	2	8	1
JHUNJHUNUN	1	0	0	0	0
JODHPUR	2	0	0	0	0
KARALI	1	0	0	0	0
KOTA	66	3	43	175	106
NAGOUR	0	0	0	0	0
PALI	2	0	0	0	0
PRATAPGARH	6	0	0	0	0
RAJSMAND	0	0	0	0	0
SIKAR	0	0	0	0	0
SIROHI	1	0	0	0	0
SWAIMADHOPUR	30	0	20	49	41
TONK	3	0	0	0	0
UDAIPUR	0	0	0	0	0
Total	602	89	227	774	714

(f) Madhya Pradesh

District	15 Sep-29 Oct										
	2020	2021	2022	2023	2024	PANNA	13	1	0	3	6
ALIRAJPUR	0	0	0	0	0	RAISEN	150	5	18	66	20
ANUPPUR	0	0	0	0	0	RAJGARH	9	1	3	9	1
ASHOKNAGAR	75	2	14	133	222	RATLAM	0	0	0	1	0
BALAGHAT	0	0	0	0	0	REWA	32	3	2	3	0
BARWANI	0	0	0	0	1	SAGAR	23	18	27	59	50
BETUL	14	3	1	8	8	SATNA	101	13	2	24	11
BHIND	51	1	16	47	39	SEHORE	38	19	39	55	25
BHOPAL	25	6	7	21	8	SEONI	420	268	90	168	51
BURHANPUR	0	0	0	5	0	SHAHDOL	0	0	0	2	1
CHHATARPUR	5	0	0	3	2	SHAJAPUR	7	0	0	11	12
CHHINDWARA	33	17	19	22	6	SHEOPUR	180	3	53	506	15
DAMOH	50	18	21	34	30	SHIVPURI	56	2	13	56	119
DATIA	253	11	33	214	78	SIDHI	1	0	0	0	0
DEWAS	4	0	0	8	5	SINGRAULI	0	0	1	0	6
DHAR	27	0	0	29	12	TIKAMGARH	3	0	0	3	0
DINDORI	0	0	0	1	0	UJJAIN	5	0	0	14	8
EAST NIMAR	13	5	5	4	2	UMARIA	0	0	0	0	1
GUNA	40	2	45	312	441	VIDESHA	87	15	24	67	65
GWALIOR	307	5	9	58	25	WEST NIMAR	26	1	2	18	4
HARDA	12	18	7	26	8	Total	2681	615	599	2411	1504
HOSHANGABAD	391	106	83	258	71						
INDORE	3	0	0	12	12						
JABALPUR	78	19	21	61	48						
JHABUA	0	0	0	0	0						
KATNI	47	2	3	14	5						
MANDLA	9	22	4	4	1						
MANDSAUR	8	0	0	2	16						
MORENA	42	9	5	38	33						
NARSHIMAPURA	43	20	32	32	35						
NIMACH	0	0	0	0	1						

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023 and 2024
(Period: 15 September-29 October)

Number of Paddy Residue Burning Events Detected

Date	Punjab					Haryana					Uttar Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	5	0	14	0	11	2	0	0	1	1	1	0	0	0	0
16-Sep	0	2	0	6	0	1	0	0	1	0	0	0	0	2	0
17-Sep	5	0	1	0	5	3	0	0	0	1	0	0	0	0	1
18-Sep	17	9	7	0	2	0	0	1	0	0	0	1	0	0	0
19-Sep	30	5	18	0	0	2	0	0	1	0	0	1	0	0	0
20-Sep	67	8	10	0	13	6	0	0	2	1	2	0	0	0	0
21-Sep	54	0	56	1	21	2	0	0	2	13	1	0	0	1	2
22-Sep	34	0	30	0	11	1	0	0	2	18	1	0	0	0	0
23-Sep	49	0	3	1	6	0	0	0	3	12	1	0	0	0	0
24-Sep	78	5	0	0	12	0	0	0	0	6	1	1	0	1	0
25-Sep	184	11	0	0	12	11	0	0	1	18	5	0	0	1	0
26-Sep	190	19	0	3	5	5	0	0	2	5	8	0	0	0	0
27-Sep	78	37	0	21	0	8	0	0	9	5	4	1	0	0	3
28-Sep	55	28	0	33	0	6	1	0	8	0	1	6	0	4	0
29-Sep	63	64	0	68	21	9	4	0	17	0	6	10	0	6	0
30-Sep	116	27	8	81	10	22	2	0	26	1	13	13	10	18	0
01-Oct	165	13	45	123	26	15	4	1	21	3	7	13	3	17	0
02-Oct	141	0	83	119	16	30	2	7	24	20	12	0	36	7	9
03-Oct	110	9	75	105	8	8	6	8	17	6	4	3	29	8	7
04-Oct	162	23	65	95	9	29	2	7	29	9	8	0	2	9	0
05-Oct	161	18	130	98	5	17	3	24	24	8	14	2	0	14	1
06-Oct	171	42	85	91	3	30	0	26	19	23	12	1	0	18	17
07-Oct	197	72	62	32	18	32	11	6	13	14	41	13	0	5	11
08-Oct	95	108	19	92	20	29	27	0	55	13	25	11	0	27	16
09-Oct	121	114	3	58	33	20	39	1	14	10	15	20	0	13	10
10-Oct	232	150	4	10	123	33	95	2	28	38	9	54	0	34	56
11-Oct	377	64	45	26	143	90	51	0	21	55	23	28	0	50	87
12-Oct	388	97	104	13	177	69	51	4	5	98	46	23	0	5	102

13-Oct	266	132	120	154	162	47	91	15	29	90	36	42	0	19	76
14-Oct	605	229	82	89	97	69	98	30	41	49	9	68	5	18	52
15-Oct	449	660	169	69	144	106	363	36	127	42	15	149	0	35	78
16-Oct	654	429	206	0	99	80	176	76	4	14	21	121	6	14	59
17-Oct	1172	14	403	1	77	143	0	86	0	28	38	39	7	0	23
18-Oct	938	57	342	18	59	166	1	134	8	26	76	0	30	2	47
19-Oct	1080	496	436	37	45	72	55	122	16	15	43	5	36	11	30
20-Oct	890	788	96	174	52	62	155	78	51	11	31	1	17	25	11
21-Oct	1392	597	393	146	65	101	131	107	68	2	25	5	23	59	25
22-Oct	1665	1111	582	30	71	128	140	122	25	10	32	3	18	117	17
23-Oct	1438	620	902	152	57	106	218	217	29	15	84	8	109	20	68
24-Oct	911	0	1019	360	40	57	38	250	70	6	63	11	212	38	18
25-Oct	1416	76	181	398	71	155	71	12	58	3	50	18	9	30	23
26-Oct	2126	329	1238	589	108	77	175	123	67	11	33	41	23	78	16
27-Oct	2563	279	1111	766	138	96	93	83	67	13	40	58	23	97	27
28-Oct	3232	906	2067	127	142	139	149	123	14	13	87	35	34	36	28
29-Oct	1624	1353	1898	1068	219	52	161	112	75	13	139	32	73	48	72
Total	25766	9001	12112	5254	2356	2136	2413	1813	1094	739	1082	837	705	887	992

Number of Paddy Residue Burning Events Detected

Date	Delhi					Rajasthan					Madhya Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
16-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
21-Sep	0	0	0	0	0	1	0	1	0	0	2	0	0	0	1
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23-Sep	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0
26-Sep	0	0	0	1	0	1	0	0	0	0	2	0	0	0	2

27-Sep	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
29-Sep	0	0	0	0	0	3	0	0	6	0	0	4	0	5	0
30-Sep	1	0	0	0	0	1	0	0	4	2	5	0	0	11	0
01-Oct	0	0	0	0	0	4	1	1	4	1	13	0	1	8	3
02-Oct	1	0	0	0	0	7	0	3	4	3	12	0	1	1	0
03-Oct	0	0	0	0	0	9	0	2	5	0	5	1	5	5	2
04-Oct	0	0	0	0	0	15	0	0	22	0	4	2	0	12	0
05-Oct	0	0	2	0	0	14	0	1	11	2	13	1	0	18	2
06-Oct	1	0	0	0	0	16	0	0	9	1	37	1	0	7	12
07-Oct	0	0	0	0	0	14	1	1	7	4	31	1	0	9	17
08-Oct	0	0	0	0	0	11	0	0	9	1	17	2	0	18	7
09-Oct	0	0	0	0	0	12	0	0	17	1	15	4	0	24	2
10-Oct	0	0	0	0	3	14	1	0	26	3	18	10	0	52	1
11-Oct	0	0	0	1	0	21	7	1	21	6	32	2	0	24	17
12-Oct	0	0	0	0	2	24	1	2	1	13	44	1	1	1	5
13-Oct	0	0	0	0	1	7	5	2	28	10	21	2	7	32	5
14-Oct	0	0	0	0	1	16	1	1	15	20	15	11	1	26	7
15-Oct	0	0	0	0	0	9	8	2	34	23	8	27	2	66	11
16-Oct	1	0	0	0	1	12	2	4	18	100	23	13	2	51	112
17-Oct	0	0	0	0	0	26	0	4	12	16	63	1	11	31	51
18-Oct	0	0	1	0	3	37	2	12	11	30	88	0	15	13	71
19-Oct	0	0	0	0	0	27	5	12	31	25	49	1	12	65	46
20-Oct	0	0	0	0	0	26	4	4	57	11	9	21	7	131	24
21-Oct	2	0	0	0	0	32	2	6	34	21	112	30	18	147	53
22-Oct	0	0	0	0	0	29	5	12	57	36	183	29	31	119	93
23-Oct	1	0	0	0	0	23	7	20	29	50	204	32	70	89	194
24-Oct	0	0	2	0	0	20	4	7	38	11	150	34	26	132	32
25-Oct	1	0	0	0	0	18	2	4	47	49	144	60	0	159	94
26-Oct	0	0	0	0	1	34	3	21	59	54	178	55	57	320	170
27-Oct	0	0	0	0	0	42	1	21	73	60	294	62	38	256	130
28-Oct	0	0	0	0	0	45	4	46	12	65	537	110	143	202	160
29-Oct	0	0	0	0	0	29	23	37	73	93	349	97	151	372	175
Total	8	0	5	2	12	602	89	227	774	714	2681	615	599	2411	1504

Details of residue burning events in Punjab on 29-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.98561	74.89274	13:09:36	D	8.20
2	AMRITSAR	AJNALA	AQUA	31.88500	74.79100	14:27:48	D	4.80
3	AMRITSAR	ATTARI	AQUA	31.56900	74.71500	14:27:48	D	4.30
4	AMRITSAR	HARSHA CHHINA	S-NPP	31.78355	74.83083	01:59:36	N	1.10
5	AMRITSAR	HARSHA CHHINA	S-NPP	31.78385	74.69157	13:09:36	D	3.70
6	AMRITSAR	RAYYA	S-NPP	31.51345	75.25729	13:09:36	D	7.20
7	AMRITSAR	RAYYA	S-NPP	31.64459	75.24873	13:09:36	D	2.00
8	BARNALA	BARNALA	S-NPP	30.24060	75.40064	13:09:36	D	5.80
9	BARNALA	BARNALA	S-NPP	30.28712	75.43469	13:09:36	D	4.40
10	BARNALA	SEHNA	AQUA	30.26900	75.36600	14:27:48	D	7.00
11	BARNALA	SEHNA	AQUA	30.27000	75.37600	14:27:48	D	5.10
12	BATHINDA	BHAGTA BHAI KA	AQUA	30.50600	75.09300	14:27:48	D	8.70
13	BATHINDA	GONIANA MANDI	S-NPP	30.35427	74.92542	13:09:36	D	12.50
14	BATHINDA	PHUL	AQUA	30.37600	75.28700	14:27:48	D	5.20
15	BATHINDA	RAMPURA	S-NPP	30.30803	75.28939	13:09:36	D	6.50
16	BATHINDA	RAMPURA	AQUA	30.16000	75.19600	14:27:48	D	14.90
17	BATHINDA	SANGAT	S-NPP	30.06138	74.89678	13:09:36	D	2.30
18	BATHINDA	SANGAT	AQUA	30.00600	74.88900	14:27:48	D	13.60
19	BATHINDA	TALWANDI SABO	S-NPP	29.90895	74.95004	01:59:36	N	1.00
20	BATHINDA	TALWANDI SABO	S-NPP	29.99671	75.18709	13:09:36	D	6.70
21	BATHINDA	TALWANDI SABO	AQUA	30.00700	74.89900	14:27:48	D	6.90
22	FARIDKOT	FARIDKOT	S-NPP	30.71489	74.71481	13:09:36	D	22.10
23	FARIDKOT	FARIDKOT	S-NPP	30.71709	74.71332	13:09:36	D	15.70
24	FARIDKOT	FARIDKOT	S-NPP	30.73910	74.65819	13:09:36	D	9.80
25	FARIDKOT	FARIDKOT	AQUA	30.73200	74.67500	14:27:48	D	18.10
26	FARIDKOT	FARIDKOT	AQUA	30.73300	74.68500	14:27:48	D	28.70
27	FARIDKOT	FARIDKOT	AQUA	30.74100	74.86100	14:27:48	D	9.10
28	FARIDKOT	FARIDKOT	AQUA	30.74200	74.87100	14:27:48	D	6.50
29	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67089	76.36107	13:09:36	D	5.20
30	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68865	76.47899	13:09:36	D	8.40

31	FATEHGARH SAHIB	BASSI PATHANAN	AQUA	30.72100	76.44500	14:27:48	D	8.00
32	FATEHGARH SAHIB	SIRHIND	S-NPP	30.60010	76.42721	13:09:36	D	2.60
33	FATEHGARH SAHIB	SIRHIND	S-NPP	30.61833	76.34317	13:09:36	D	6.20
34	FATEHGARH SAHIB	SIRHIND	AQUA	30.45600	76.45600	14:27:48	D	13.00
35	FATEHGARH SAHIB	SIRHIND	AQUA	30.50500	76.48500	14:27:48	D	26.40
36	FATEHGARH SAHIB	SIRHIND	AQUA	30.52800	76.38200	14:27:48	D	5.90
37	FATEHGARH SAHIB	SIRHIND	AQUA	30.62500	76.34700	14:27:48	D	6.80
38	FAZILKA	ABOHAR	S-NPP	30.18485	74.26646	13:09:36	D	3.80
39	FIROZPUR	FIROZPUR	S-NPP	30.89432	74.53516	13:09:36	D	5.30
40	FIROZPUR	FIROZPUR	S-NPP	30.89547	74.53197	13:09:36	D	7.50
41	FIROZPUR	FIROZPUR	S-NPP	30.93333	74.53441	13:09:36	D	9.80
42	FIROZPUR	FIROZPUR	S-NPP	30.96077	74.65108	13:09:36	D	8.00
43	FIROZPUR	FIROZPUR	S-NPP	31.04997	74.79199	13:09:36	D	7.00
44	FIROZPUR	FIROZPUR	AQUA	30.94600	74.56700	14:27:48	D	15.50
45	FIROZPUR	FIROZPUR	AQUA	30.96500	74.63700	14:27:48	D	5.60
46	FIROZPUR	FIROZPUR	AQUA	30.96700	74.64700	14:27:48	D	20.90
47	FIROZPUR	FIROZPUR	AQUA	30.97700	74.52400	14:27:48	D	6.70
48	FIROZPUR	FIROZPUR	AQUA	31.01400	74.65300	14:27:48	D	7.70
49	FIROZPUR	FIROZPUR	AQUA	31.02000	74.56800	14:27:48	D	7.90
50	FIROZPUR	FIROZPUR	AQUA	31.02300	74.65100	14:27:48	D	26.20
51	FIROZPUR	FIROZPUR	AQUA	31.02900	74.62900	14:27:48	D	8.40
52	FIROZPUR	FIROZPUR	AQUA	31.03200	74.64900	14:27:48	D	17.40
53	FIROZPUR	FIROZPUR	AQUA	31.05300	74.79200	14:27:48	D	6.30
54	FIROZPUR	GHALL KHURD	S-NPP	30.84829	74.65812	13:09:36	D	2.80
55	FIROZPUR	GHALL KHURD	AQUA	30.89500	74.71400	14:27:48	D	6.00
56	FIROZPUR	GHALL KHURD	AQUA	30.89700	74.72400	14:27:48	D	45.10
57	FIROZPUR	GHALL KHURD	AQUA	30.92000	74.76100	14:27:48	D	23.30
58	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71742	74.31960	13:09:36	D	1.10
59	FIROZPUR	GURUHAR SAHAI	AQUA	30.74800	74.28900	14:27:48	D	6.20
60	FIROZPUR	MAKHU	AQUA	31.11500	74.88800	14:27:48	D	7.30
61	FIROZPUR	MAKHU	AQUA	31.11600	74.89800	14:27:48	D	8.30
62	FIROZPUR	MAMDOT	S-NPP	30.79470	74.51975	13:09:36	D	31.60
63	FIROZPUR	MAMDOT	S-NPP	30.79559	74.51962	13:09:36	D	34.10

64	FIROZPUR	MAMDOT	S-NPP	30.79955	74.51856	13:09:36	D	6.10
65	FIROZPUR	MAMDOT	S-NPP	30.80830	74.54133	13:09:36	D	3.40
66	FIROZPUR	MAMDOT	S-NPP	30.81591	74.41313	13:09:36	D	2.90
67	FIROZPUR	MAMDOT	S-NPP	30.81672	74.41714	13:09:36	D	3.30
68	FIROZPUR	MAMDOT	S-NPP	30.88580	74.44939	13:09:36	D	5.00
69	FIROZPUR	MAMDOT	S-NPP	30.88706	74.44942	13:09:36	D	4.20
70	FIROZPUR	MAMDOT	S-NPP	30.89354	74.53120	13:09:36	D	5.30
71	FIROZPUR	MAMDOT	AQUA	30.77300	74.51500	14:27:48	D	22.30
72	FIROZPUR	MAMDOT	AQUA	30.78200	74.51300	14:27:48	D	46.20
73	FIROZPUR	MAMDOT	AQUA	30.79900	74.50900	14:27:48	D	9.70
74	FIROZPUR	MAMDOT	AQUA	30.80800	74.50800	14:27:48	D	11.90
75	FIROZPUR	MAMDOT	AQUA	30.80900	74.51800	14:27:48	D	14.80
76	FIROZPUR	MAMDOT	AQUA	30.81200	74.53800	14:27:48	D	23.30
77	FIROZPUR	MAMDOT	AQUA	30.85000	74.34600	14:27:48	D	5.80
78	FIROZPUR	MAMDOT	AQUA	30.90900	74.43900	14:27:48	D	37.80
79	FIROZPUR	MAMDOT	AQUA	30.92600	74.43500	14:27:48	D	8.50
80	FIROZPUR	ZIRA	S-NPP	30.90159	75.02975	13:09:36	D	3.20
81	FIROZPUR	ZIRA	S-NPP	30.90197	75.03199	13:09:36	D	2.30
82	FIROZPUR	ZIRA	AQUA	30.93800	74.88300	14:27:48	D	4.60
83	FIROZPUR	ZIRA	AQUA	30.99100	74.87300	14:27:48	D	40.40
84	GURDASPUR	BATALA	AQUA	31.69500	75.21800	14:27:48	D	7.00
85	GURDASPUR	DERA BABA NANAK	AQUA	31.96700	75.10900	14:27:48	D	5.50
86	GURDASPUR	FATEHGARH CHURIAN	S-NPP	31.95358	74.96166	13:09:36	D	4.20
87	GURDASPUR	FATEHGARH CHURIAN	AQUA	31.86300	75.01800	14:27:48	D	8.00
88	GURDASPUR	KAHNUWAN	AQUA	31.81100	75.51000	14:27:48	D	6.60
89	GURDASPUR	KAHNUWAN	AQUA	31.88900	75.41400	14:27:48	D	7.10
90	GURDASPUR	KALANAUR	S-NPP	32.06674	75.16843	13:09:36	D	2.60
91	GURDASPUR	QADIAN	S-NPP	31.76218	75.43258	13:09:36	D	7.90
92	GURDASPUR	QADIAN	AQUA	31.74600	75.30800	14:27:48	D	7.20
93	GURDASPUR	QADIAN	AQUA	31.77000	75.41100	14:27:48	D	11.90
94	GURDASPUR	QADIAN	AQUA	31.82400	75.27700	14:27:48	D	6.30
95	GURDASPUR	SRI HARGOBINDPUR	AQUA	31.65500	75.32200	14:27:48	D	4.40
96	GURDASPUR	SRI HARGOBINDPUR	AQUA	31.70500	75.35500	14:27:48	D	11.00

97	JALANDHAR	JALANDHAR EAST	S-NPP	31.21962	75.62026	13:09:36	D	2.40
98	JALANDHAR	JALANDHAR EAST	S-NPP	31.22010	75.62267	13:09:36	D	3.70
99	JALANDHAR	LOHIAN	S-NPP	31.13477	75.19599	01:59:36	N	1.70
100	JALANDHAR	LOHIAN	S-NPP	31.13721	75.20023	01:59:36	N	1.30
101	JALANDHAR	NUR MAHAL	S-NPP	31.11431	75.61980	13:09:36	D	4.50
102	KAPURTHALA	DHILWAN	AQUA	31.45800	75.36200	14:27:48	D	5.50
103	KAPURTHALA	DHILWAN	AQUA	31.46000	75.37200	14:27:48	D	12.40
104	KAPURTHALA	DHILWAN	AQUA	31.46700	75.36000	14:27:48	D	30.70
105	KAPURTHALA	KAPURTHALA	S-NPP	31.35136	75.44981	13:09:36	D	2.20
106	KAPURTHALA	KAPURTHALA	S-NPP	31.36073	75.31310	13:09:36	D	6.80
107	KAPURTHALA	KAPURTHALA	S-NPP	31.38192	75.32743	13:09:36	D	8.60
108	KAPURTHALA	KAPURTHALA	S-NPP	31.38358	75.32968	13:09:36	D	8.60
109	KAPURTHALA	NADALA	S-NPP	31.56916	75.46588	13:09:36	D	18.10
110	KAPURTHALA	NADALA	S-NPP	31.59025	75.51538	13:09:36	D	15.40
111	KAPURTHALA	NADALA	AQUA	31.57400	75.46100	14:27:48	D	16.30
112	KAPURTHALA	NADALA	AQUA	31.58100	75.44900	14:27:48	D	7.80
113	KAPURTHALA	NADALA	AQUA	31.58300	75.45900	14:27:48	D	16.40
114	KAPURTHALA	NADALA	AQUA	31.58500	75.54400	14:27:48	D	5.80
115	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.22291	75.24823	13:09:36	D	11.40
116	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.28756	75.13847	13:09:36	D	4.00
117	KAPURTHALA	SULTANPUR LODHI	AQUA	31.23500	75.09000	14:27:48	D	9.20
118	LUDHIANA	DEHLON	AQUA	30.83300	75.91300	14:27:48	D	22.80
119	LUDHIANA	LUDHIANA 1	S-NPP	30.83924	76.02756	13:09:36	D	7.30
120	LUDHIANA	RAIKOT	S-NPP	30.66440	75.55588	13:09:36	D	4.00
121	LUDHIANA	RAIKOT	S-NPP	30.66558	75.55795	13:09:36	D	5.90
122	LUDHIANA	SIDHWAN BET	AQUA	30.92100	75.41800	14:27:48	D	5.30
123	MALERKOTLA	AMARGARH	S-NPP	30.45983	76.03993	13:09:36	D	2.80
124	MALERKOTLA	AMARGARH	S-NPP	30.47267	76.02609	13:09:36	D	7.20
125	MALERKOTLA	MALERKOTLA	S-NPP	30.54268	75.89883	13:09:36	D	10.30
126	MANSA	BHIKHI	S-NPP	30.12697	75.61612	13:09:36	D	23.60
127	MANSA	BHIKHI	AQUA	30.06300	75.62200	14:27:48	D	11.90
128	MANSA	BUDHLADA	S-NPP	29.79489	75.58450	13:09:36	D	10.90
129	MANSA	BUDHLADA	S-NPP	29.79649	75.58084	13:09:36	D	7.20

130	MANSA	BUDHLADA	S-NPP	29.89815	75.53432	13:09:36	D	23.20
131	MANSA	BUDHLADA	S-NPP	29.99060	75.57935	13:09:36	D	4.20
132	MANSA	BUDHLADA	AQUA	29.78800	75.69200	14:27:48	D	5.30
133	MANSA	BUDHLADA	AQUA	29.84200	75.48900	14:27:48	D	15.50
134	MANSA	BUDHLADA	AQUA	29.85100	75.54900	14:27:48	D	6.90
135	MANSA	BUDHLADA	AQUA	29.85200	75.55900	14:27:48	D	9.00
136	MANSA	BUDHLADA	AQUA	30.06500	75.63200	14:27:48	D	5.00
137	MANSA	JHUNIR	AQUA	29.88500	75.32900	14:27:48	D	7.50
138	MANSA	SARDULGARH	S-NPP	29.64892	75.31661	13:09:36	D	4.00
139	MANSA	SARDULGARH	S-NPP	29.65280	75.31564	13:09:36	D	10.20
140	MOGA	BAGHA PURANA	S-NPP	30.50521	75.03421	13:09:36	D	2.50
141	MOGA	MOGA 2	S-NPP	30.82066	74.94655	13:09:36	D	3.30
142	MOGA	MOGA 2	S-NPP	30.88177	75.01134	13:09:36	D	3.00
143	MOGA	MOGA 2	S-NPP	30.88228	75.01354	13:09:36	D	4.60
144	MOGA	NIHAL SINGH	AQUA	30.68800	75.20200	14:27:48	D	9.80
145	MUKTSAR	MUKTSAR	S-NPP	30.42405	74.34811	13:09:36	D	2.70
146	PATIALA	GHANAUR	S-NPP	30.33925	76.66754	13:09:36	D	5.80
147	PATIALA	GHANAUR	S-NPP	30.35415	76.74868	13:09:36	D	4.90
148	PATIALA	GHANAUR	S-NPP	30.39373	76.53351	13:09:36	D	4.70
149	PATIALA	GHANAUR	AQUA	30.40100	76.60400	14:27:48	D	5.10
150	PATIALA	NABHA	S-NPP	30.30040	76.23186	13:09:36	D	2.70
151	PATIALA	NABHA	S-NPP	30.39824	76.25214	13:09:36	D	7.10
152	PATIALA	NABHA	S-NPP	30.40555	76.25034	13:09:36	D	4.70
153	PATIALA	NABHA	S-NPP	30.40832	76.26528	13:09:36	D	4.90
154	PATIALA	NABHA	S-NPP	30.44848	76.21368	13:09:36	D	3.40
155	PATIALA	NABHA	AQUA	30.31300	76.09000	14:27:48	D	9.50
156	PATIALA	NABHA	AQUA	30.31700	76.18500	14:27:48	D	7.30
157	PATIALA	NABHA	AQUA	30.33600	76.19200	14:27:48	D	5.50
158	PATIALA	NABHA	AQUA	30.40500	76.21600	14:27:48	D	8.60
159	PATIALA	NABHA	AQUA	30.42300	76.21300	14:27:48	D	7.70
160	PATIALA	PATRAN	S-NPP	29.87857	76.18738	13:09:36	D	3.90
161	PATIALA	PATRAN	AQUA	29.91700	76.15500	14:27:48	D	7.00
162	PATIALA	SAMANA	S-NPP	30.20111	76.18032	13:09:36	D	10.10

163	PATIALA	SAMANA	AQUA	30.07300	76.21600	14:27:48	D	6.20
164	PATIALA	SANAUR	S-NPP	30.13186	76.29442	13:09:36	D	7.90
165	PATIALA	SHAMBU KALAN	S-NPP	30.43491	76.69939	13:09:36	D	3.70
166	PATIALA	SHAMBU KALAN	S-NPP	30.49240	76.70255	13:09:36	D	1.80
167	PATIALA	SHAMBU KALAN	AQUA	30.49300	76.52600	14:27:48	D	6.20
168	RUPNAGAR	RUPNAGAR	AQUA	31.09800	76.58500	14:27:48	D	8.40
169	SANGRUR	ANDANA	AQUA	29.76900	76.02600	14:27:48	D	7.10
170	SANGRUR	ANDANA	AQUA	29.79100	75.97300	14:27:48	D	10.70
171	SANGRUR	BHAWANIGARH	S-NPP	30.15487	75.99448	13:09:36	D	6.60
172	SANGRUR	BHAWANIGARH	S-NPP	30.23624	76.09468	13:09:36	D	2.60
173	SANGRUR	BHAWANIGARH	S-NPP	30.24294	76.13017	13:09:36	D	3.60
174	SANGRUR	BHAWANIGARH	S-NPP	30.24895	76.05959	13:09:36	D	2.20
175	SANGRUR	BHAWANIGARH	AQUA	30.22800	76.06800	14:27:48	D	14.00
176	SANGRUR	BHAWANIGARH	AQUA	30.24500	76.12900	14:27:48	D	4.60
177	SANGRUR	BHAWANIGARH	AQUA	30.26000	76.16900	14:27:48	D	43.50
178	SANGRUR	BHAWANIGARH	AQUA	30.31200	76.01500	14:27:48	D	4.90
179	SANGRUR	BHAWANIGARH	AQUA	30.31500	76.10000	14:27:48	D	4.70
180	SANGRUR	DHURI	S-NPP	30.33344	75.80354	13:09:36	D	4.10
181	SANGRUR	DIRBA	AQUA	30.16100	76.04900	14:27:48	D	7.30
182	SANGRUR	LEHRA GAGA	S-NPP	30.01429	75.91256	13:09:36	D	7.60
183	SANGRUR	LEHRA GAGA	AQUA	29.93700	75.90900	14:27:48	D	6.30
184	SANGRUR	LEHRA GAGA	AQUA	30.01200	75.90900	14:27:48	D	7.40
185	SANGRUR	SANGRUR	S-NPP	30.21390	75.87412	13:09:36	D	3.30
186	SANGRUR	SANGRUR	S-NPP	30.21972	75.63515	13:09:36	D	4.00
187	SANGRUR	SANGRUR	S-NPP	30.24817	75.95239	13:09:36	D	11.60
188	SANGRUR	SANGRUR	S-NPP	30.29538	75.91362	13:09:36	D	3.20
189	SANGRUR	SANGRUR	AQUA	30.21200	75.89100	14:27:48	D	6.90
190	SANGRUR	SANGRUR	AQUA	30.21400	75.90200	14:27:48	D	6.60
191	SANGRUR	SANGRUR	AQUA	30.27400	75.93700	14:27:48	D	7.10
192	SANGRUR	SHER PUR	S-NPP	30.32901	75.73867	13:09:36	D	9.90
193	SANGRUR	SHER PUR	S-NPP	30.41450	75.68243	01:59:36	N	1.60
194	SANGRUR	SHER PUR	S-NPP	30.42543	75.81684	13:09:36	D	4.50
195	SANGRUR	SHER PUR	AQUA	30.30900	75.71400	14:27:48	D	7.80

196	SANGRUR	SHER PUR	AQUA	30.32800	75.72000	14:27:48	D	17.40
197	SANGRUR	SHER PUR	AQUA	30.32900	75.73100	14:27:48	D	9.80
198	SANGRUR	SHER PUR	AQUA	30.36700	75.74500	14:27:48	D	7.40
199	SANGRUR	SHER PUR	AQUA	30.41300	75.80400	14:27:48	D	5.20
200	SANGRUR	SUNAM	S-NPP	30.08726	75.69893	13:09:36	D	2.60
201	SANGRUR	SUNAM	S-NPP	30.12697	75.88756	13:09:36	D	4.20
202	SANGRUR	SUNAM	AQUA	30.04200	75.85600	14:27:48	D	7.10
203	SANGRUR	SUNAM	AQUA	30.12000	75.89400	14:27:48	D	14.20
204	SANGRUR	SUNAM	AQUA	30.12200	75.63500	14:27:48	D	5.20
205	SANGRUR	SUNAM	AQUA	30.12400	75.64500	14:27:48	D	11.10
206	SANGRUR	SUNAM	AQUA	30.16700	75.76300	14:27:48	D	7.20
207	SAS NAGAR	DERABASSI	S-NPP	30.42610	76.79577	13:09:36	D	2.70
208	SBS NAGAR	NAWAN SHAHR	S-NPP	31.03959	76.23856	13:09:36	D	2.50
209	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23340	74.94300	13:09:36	D	4.40
210	TARN TARAN	CHOHLA SAHIB	S-NPP	31.23450	74.94861	13:09:36	D	3.60
211	TARN TARAN	GANDIWIND TATLA	AQUA	31.49500	74.71400	14:27:48	D	6.90
212	TARN TARAN	KHADUR SAHIB	S-NPP	31.49004	75.21810	13:09:36	D	4.00
213	TARN TARAN	TARN TARAN	S-NPP	31.39258	74.78378	13:09:36	D	9.70
214	TARN TARAN	TARN TARAN	S-NPP	31.39288	74.78570	13:09:36	D	7.50
215	TARN TARAN	TARN TARAN	S-NPP	31.48236	74.84924	13:09:36	D	5.40
216	TARN TARAN	TARN TARAN	AQUA	31.43900	74.78500	14:27:48	D	5.10
217	TARN TARAN	VALTOHA	S-NPP	31.17589	74.65205	13:09:36	D	2.70
218	TARN TARAN	VALTOHA	S-NPP	31.18747	74.54449	13:09:36	D	9.80
219	TARN TARAN	VALTOHA	S-NPP	31.29548	74.53822	13:09:36	D	5.10

Details of residue burning events in Haryana on 29-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	FARIDABAD	BALLABGARH	S-NPP	28.27233	77.27391	01:59:36	N	0.80
2	FATEHABAD	JAKHAL	AQUA	29.78800	75.81700	14:27:48	D	18.80
3	HISAR	HANSI-I	S-NPP	29.27652	75.96854	13:09:36	D	6.00
4	JIND	NARWANA	S-NPP	29.58811	75.98923	13:09:36	D	3.00
5	KAITHAL	GUHLA	AQUA	29.99900	76.28900	14:27:48	D	13.90
6	KAITHAL	PUNDRI	S-NPP	29.82541	76.61382	13:09:36	D	2.10
7	KAITHAL	PUNDRI	S-NPP	29.88106	76.59220	13:09:36	D	3.50
8	KAITHAL	SIWAN	S-NPP	29.89729	76.28846	13:09:36	D	3.00
9	KARNAL	KARNAL	S-NPP	29.72569	76.99818	13:09:36	D	3.40
10	KURUKSHETRA	ISMAILABAD	S-NPP	30.05027	76.62962	13:09:36	D	3.70
11	KURUKSHETRA	ISMAILABAD	S-NPP	30.07392	76.75950	13:09:36	D	3.80
12	PALWAL	PALWAL	S-NPP	28.10903	77.41209	13:09:36	D	2.30
13	SIRSA	RANIA	S-NPP	29.52732	74.81707	01:59:36	N	1.00

Details of residue burning events in Uttar Pradesh on 29-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AGRA	KURAU LI	S-NPP	27.16643	77.70462	13:09:36	D	2.10
2	ALIGARH	IGLAS	S-NPP	27.71500	77.88382	13:09:36	D	3.80
3	ALIGARH	KHAIR	S-NPP	28.00039	77.53676	13:09:36	D	6.50
4	ALLAHABAD	HADIYA	S-NPP	25.43284	82.06791	13:09:36	D	4.80
5	BAGHPAT	BAGHPAT	S-NPP	28.92589	77.40250	13:09:36	D	4.10
6	BAHRAICH	NANPARA	S-NPP	27.74598	81.66157	13:09:36	D	1.40
7	BAHRAICH	NANPARA	S-NPP	27.89661	81.65726	01:59:36	N	0.80
8	BARABANKI	FATEHPUR	S-NPP	27.30682	81.30431	13:09:36	D	4.80
9	BAREILLY	BAHERI	S-NPP	28.72853	79.46415	01:59:36	N	0.90
10	BAREILLY	NAWABGANJ	S-NPP	28.60019	79.50222	13:09:36	D	3.70
11	BULANSAHAR	BULANSHAH R	S-NPP	28.31635	77.86105	13:09:36	D	3.00
12	BULANSAHAR	KHURJA	S-NPP	28.22988	77.90694	13:09:36	D	3.70
13	ETAH	ETAH	S-NPP	27.34003	78.73509	13:09:36	D	4.50
14	ETAWAH	SAIFAI	S-NPP	26.95937	78.99078	13:09:36	D	2.50
15	ETAWAH	SAIFAI	S-NPP	26.96332	79.09771	13:09:36	D	3.60
16	ETAWAH	SAIFAI	S-NPP	26.96866	79.06651	13:09:36	D	2.10
17	FATEHPUR	FATEHPUR	S-NPP	25.83661	80.79776	13:09:36	D	3.00
18	FATEHPUR	FATEHPUR	S-NPP	25.86473	80.82413	13:09:36	D	2.50
19	FATEHPUR	FATEHPUR	S-NPP	25.88404	80.81645	13:09:36	D	2.10
20	FATEHPUR	KHAGA	S-NPP	25.74915	81.01661	13:09:36	D	4.40
21	FIROZABAD	JASRANA	S-NPP	27.34312	78.54433	13:09:36	D	3.90
22	GONDA	MANKAPUR	S-NPP	26.94740	82.37273	13:09:36	D	2.50
23	GORAKHPUR	KHAJNI	S-NPP	26.61254	83.20732	13:09:36	D	2.50
24	HARDOI	BILGRAM	S-NPP	27.10234	80.11868	13:09:36	D	2.00
25	HARDOI	BILGRAM	S-NPP	27.19549	79.96989	13:09:36	D	1.90
26	HARDOI	BILGRAM	S-NPP	27.19896	79.94875	13:09:36	D	2.00
27	HARDOI	BILGRAM	S-NPP	27.36942	79.94289	01:59:36	N	0.90
28	HARDOI	HARDOI	S-NPP	27.37285	79.96770	13:09:36	D	1.50
29	JHANSI	JHANSI	S-NPP	25.50879	78.73565	13:09:36	D	5.00
30	JHANSI	MOTH	S-NPP	25.85250	78.87705	13:09:36	D	3.20
31	JHANSI	TAHRAULI	AQUA	25.56500	78.93900	14:27:48	D	7.90

32	KANPUR	GHATAMPUR	S-NPP	26.17183	80.05323	13:09:36	D	2.20
33	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.25825	79.83089	13:09:36	D	1.50
34	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.27881	79.99945	13:09:36	D	3.10
35	KANPUR DEHAT	RASULABAD	S-NPP	26.56503	79.88594	13:09:36	D	3.10
36	KAUSHAMBI	CHAIL	S-NPP	25.50416	81.49078	13:09:36	D	3.70
37	KAUSHAMBI	MANJHANPUR	S-NPP	25.48766	81.31739	13:09:36	D	3.20
38	KAUSHAMBI	SIRATHU	S-NPP	25.60404	81.21369	13:09:36	D	2.20
39	KAUSHAMBI	SIRATHU	S-NPP	25.60547	81.24489	13:09:36	D	3.40
40	KHERI	GOLA	S-NPP	27.92672	80.32086	13:09:36	D	1.10
41	KHERI	LAKHIMPUR	S-NPP	27.89616	80.57664	13:09:36	D	2.00
42	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.06421	83.49958	13:09:36	D	2.10
43	MAINPURI	BHOGAON	S-NPP	27.11625	79.17320	13:09:36	D	3.80
44	MAINPURI	MAINPURI	S-NPP	27.16786	78.84843	01:59:36	N	0.50
45	MATHURA	CHHATA	S-NPP	27.58954	77.53028	13:09:36	D	3.90
46	MATHURA	CHHATA	S-NPP	27.64156	77.46494	13:09:36	D	1.70
47	MATHURA	CHHATA	S-NPP	27.64177	77.46650	13:09:36	D	1.90
48	MATHURA	MATHURA	AQUA	27.45200	77.54800	14:27:48	D	15.80
49	PILHIBHIT	BISALPUR	S-NPP	28.48085	79.91800	13:09:36	D	2.00
50	PILHIBHIT	PURANPUR	S-NPP	28.47542	80.13717	01:59:36	N	0.60
51	PILHIBHIT	PURANPUR	S-NPP	28.47696	80.06443	01:59:36	N	0.40
52	PILHIBHIT	PURANPUR	S-NPP	28.57424	80.00639	01:59:36	N	0.50
53	PILHIBHIT	PURANPUR	S-NPP	28.57754	80.00707	01:59:36	N	0.50
54	PILHIBHIT	PURANPUR	S-NPP	28.58302	80.14213	01:59:36	N	1.10
55	PILHIBHIT	PURANPUR	S-NPP	28.67802	80.20633	01:59:36	N	0.90
56	PRATAPGARH	PATTI	S-NPP	25.90024	82.20816	13:09:36	D	1.90
57	RAIBEARELI	LALGANJ	S-NPP	26.23836	80.89198	13:09:36	D	3.00
58	SAMBHAL	CHANDAUSI	S-NPP	28.50502	78.63513	13:09:36	D	5.20
59	SHAHJAHANPUR	PUWANYA	S-NPP	27.96352	80.02782	01:59:36	N	2.50
60	SHAHJAHANPUR	PUWANYA	S-NPP	27.96683	80.02850	01:59:36	N	0.60
61	SHAHJAHANPUR	PUWANYA	S-NPP	27.97676	80.03056	01:59:36	N	1.40
62	SHAHJAHANPUR	PUWANYA	S-NPP	27.97960	80.03009	01:59:36	N	0.70
63	SHAHJAHANPUR	PUWANYA	S-NPP	28.17146	80.02039	13:09:36	D	3.70
64	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.72172	79.86324	01:59:36	N	1.20
65	SHAHJAHANPUR	TILHAR	S-NPP	27.93240	79.72061	13:09:36	D	2.40
66	SHAMLI	SHAMLI	AQUA	29.60300	77.32300	14:27:48	D	5.40

67	SHRAWASTI	BHINGA	S-NPP	27.67513	82.07750	13:09:36	D	1.40
68	SIDDHARTHANAGAR	BANSI	S-NPP	27.13840	83.10699	13:09:36	D	3.70
69	SITAPUR	MISRIK	S-NPP	27.45180	80.63887	13:09:36	D	5.20
70	SITAPUR	MISRIK	S-NPP	27.64645	80.32317	13:09:36	D	2.30
71	SITAPUR	SITAPUR	S-NPP	27.65828	80.59451	13:09:36	D	2.60
72	UNNAO	BIGHAPUR	S-NPP	26.39624	80.69045	13:09:36	D	2.20

Details of residue burning events in Rajasthan on 29-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	BARAN	CHHABRA	AQUA	24.67000	76.95300	14:27:48	D	7.80
2	BARAN	KISHANGUNJ	AQUA	25.29700	76.69100	14:27:48	D	5.90
3	BARAN	KISHANGUNJ	AQUA	25.30700	76.88900	14:27:48	D	8.30
4	BARAN	SHAHBAD	S-NPP	25.08370	76.95876	13:09:36	D	4.50
5	BARAN	SHAHBAD	S-NPP	25.10130	77.03173	13:09:36	D	3.20
6	BARAN	SHAHBAD	S-NPP	25.11193	77.06751	13:09:36	D	4.40
7	BARAN	SHAHBAD	S-NPP	25.15193	76.98193	13:09:36	D	3.40
8	BARAN	SHAHBAD	S-NPP	25.15232	76.97918	13:09:36	D	2.40
9	BARAN	SHAHBAD	S-NPP	25.16198	76.98800	13:09:36	D	5.70
10	BARAN	SHAHBAD	AQUA	25.06600	76.95000	14:27:48	D	11.50
11	BARAN	SHAHBAD	AQUA	25.09300	76.88500	14:27:48	D	9.00
12	BARAN	SHAHBAD	AQUA	25.10400	77.03300	14:27:48	D	8.30
13	BARAN	SHAHBAD	AQUA	25.13600	76.92100	14:27:48	D	8.00
14	BARAN	SHAHBAD	AQUA	25.19400	77.01100	14:27:48	D	8.30
15	BHARATPUR	BHARATPUR	S-NPP	27.22071	77.54694	13:09:36	D	2.20
16	BUNDI	BUNDI	S-NPP	25.26928	75.69550	13:09:36	D	2.90
17	BUNDI	BUNDI	S-NPP	25.27008	75.69960	13:09:36	D	4.20
18	BUNDI	BUNDI	S-NPP	25.27580	75.70682	13:09:36	D	3.60
19	BUNDI	BUNDI	S-NPP	25.33946	75.83601	13:09:36	D	2.70
20	BUNDI	BUNDI	S-NPP	25.46516	75.83602	13:09:36	D	3.20
21	BUNDI	BUNDI	AQUA	25.29700	75.81300	14:27:48	D	7.40
22	BUNDI	BUNDI	AQUA	25.32100	75.84800	14:27:48	D	9.90
23	BUNDI	HINDOLI	S-NPP	25.39557	75.65316	13:09:36	D	2.10
24	BUNDI	INDRAGARH	AQUA	25.49900	76.11200	14:27:48	D	16.10
25	BUNDI	KESHORAIPATAN	S-NPP	25.28034	75.98702	13:09:36	D	8.10
26	BUNDI	KESHORAIPATAN	S-NPP	25.33770	75.88310	01:59:36	N	0.70
27	BUNDI	KESHORAIPATAN	S-NPP	25.34837	75.99193	13:09:36	D	3.90
28	BUNDI	KESHORAIPATAN	S-NPP	25.41764	75.98395	13:09:36	D	5.00
29	BUNDI	KESHORAIPATAN	S-NPP	25.43160	76.03391	13:09:36	D	5.10
30	BUNDI	KESHORAIPATAN	S-NPP	25.43691	76.06119	13:09:36	D	3.40
31	BUNDI	KESHORAIPATAN	S-NPP	25.46929	76.03329	13:09:36	D	3.80

32	BUNDI	KESHORAIPATAN	S-NPP	25.47180	76.02454	13:09:36	D	4.90
33	BUNDI	KESHORAIPATAN	S-NPP	25.47330	76.03236	13:09:36	D	7.40
34	BUNDI	KESHORAIPATAN	S-NPP	25.48317	76.12728	13:09:36	D	1.60
35	BUNDI	KESHORAIPATAN	AQUA	25.30700	75.88000	14:27:48	D	7.00
36	BUNDI	KESHORAIPATAN	AQUA	25.35300	75.92500	14:27:48	D	4.80
37	BUNDI	KESHORAIPATAN	AQUA	25.36500	75.88300	14:27:48	D	9.90
38	BUNDI	KESHORAIPATAN	AQUA	25.36600	75.89300	14:27:48	D	9.80
39	BUNDI	KESHORAIPATAN	AQUA	25.44000	76.02900	14:27:48	D	5.10
40	BUNDI	KESHORAIPATAN	AQUA	25.46300	76.04900	14:27:48	D	16.50
41	BUNDI	KESHORAIPATAN	AQUA	25.47900	76.03600	14:27:48	D	6.10
42	BUNDI	KESHORAIPATAN	AQUA	25.48900	76.04400	14:27:48	D	8.10
43	CHITTAURGARH	CHITTAURGARH	S-NPP	24.76532	74.60754	01:59:36	N	1.30
44	DUNGARPUR	SAGWARA	S-NPP	23.67683	74.04076	01:59:36	N	0.30
45	GANGANAGAR	SURATGARH	S-NPP	29.46315	73.92347	13:09:36	D	3.00
46	GANGANAGAR	VIJAY NAGAR	S-NPP	29.25424	73.52000	13:09:36	D	6.50
47	HANUMANGARH	HANUMANGARH	S-NPP	29.66524	74.18153	13:09:36	D	2.90
48	HANUMANGARH	HANUMANGARH	AQUA	29.56900	74.14500	14:27:48	D	5.10
49	HANUMANGARH	PILIBANGA	S-NPP	29.46140	73.99798	13:09:36	D	9.90
50	HANUMANGARH	PILIBANGA	S-NPP	29.59927	74.05054	13:09:36	D	1.70
51	HANUMANGARH	SANGHRIYA	AQUA	29.63300	74.44700	14:27:48	D	6.90
52	HANUMANGARH	SANGHRIYA	AQUA	29.64200	74.44600	14:27:48	D	10.80
53	HANUMANGARH	SANGHRIYA	AQUA	29.73000	74.42200	14:27:48	D	5.70
54	HANUMANGARH	SANGHRIYA	AQUA	29.93800	74.49700	14:27:48	D	7.40
55	HANUMANGARH	TIBI	S-NPP	29.47136	74.48354	13:09:36	D	1.50
56	HANUMANGARH	TIBI	S-NPP	29.47524	74.49177	13:09:36	D	4.40
57	HANUMANGARH	TIBI	S-NPP	29.52033	74.41842	13:09:36	D	4.90
58	HANUMANGARH	TIBI	S-NPP	29.52184	74.53202	13:09:36	D	1.80
59	HANUMANGARH	TIBI	S-NPP	29.53170	74.55986	13:09:36	D	2.90
60	HANUMANGARH	TIBI	S-NPP	29.53938	74.47065	13:09:36	D	23.00
61	HANUMANGARH	TIBI	S-NPP	29.54022	74.47482	13:09:36	D	23.00
62	HANUMANGARH	TIBI	S-NPP	29.54344	74.46960	13:09:36	D	5.00
63	HANUMANGARH	TIBI	S-NPP	29.64905	74.55555	13:09:36	D	3.20
64	HANUMANGARH	TIBI	AQUA	29.69100	74.46100	14:27:48	D	5.90
65	HANUMANGARH	TIBI	AQUA	29.74700	74.59600	14:27:48	D	4.20
66	KOTA	DIGOD	S-NPP	25.16380	76.14412	13:09:36	D	6.50

67	KOTA	DIGOD	S-NPP	25.19757	76.03924	13:09:36	D	2.80
68	KOTA	DIGOD	S-NPP	25.20834	76.15804	13:09:36	D	2.60
69	KOTA	DIGOD	S-NPP	25.25532	76.05450	13:09:36	D	4.80
70	KOTA	DIGOD	S-NPP	25.25920	76.18343	13:09:36	D	5.90
71	KOTA	DIGOD	AQUA	25.08000	76.15800	14:27:48	D	6.80
72	KOTA	DIGOD	AQUA	25.20000	76.14400	14:27:48	D	5.60
73	KOTA	DIGOD	AQUA	25.22100	76.04100	14:27:48	D	6.20
74	KOTA	LADPURA	S-NPP	25.19578	75.96537	13:09:36	D	2.30
75	KOTA	LADPURA	S-NPP	25.19638	75.99008	13:09:36	D	3.30
76	KOTA	LADPURA	S-NPP	25.21797	75.92693	13:09:36	D	2.10
77	KOTA	LADPURA	S-NPP	25.22025	76.02573	13:09:36	D	5.60
78	KOTA	LADPURA	S-NPP	25.23160	76.01897	13:09:36	D	17.00
79	KOTA	LADPURA	S-NPP	25.24717	75.92430	13:09:36	D	10.00
80	KOTA	LADPURA	S-NPP	25.24793	75.92828	13:09:36	D	10.00
81	KOTA	PIPALDA	S-NPP	25.44074	76.49636	13:09:36	D	4.10
82	KOTA	PIPALDA	S-NPP	25.44884	76.51756	13:09:36	D	6.00
83	KOTA	PIPALDA	S-NPP	25.50670	76.50754	13:09:36	D	11.80
84	KOTA	PIPALDA	S-NPP	25.50751	76.50408	13:09:36	D	5.00
85	KOTA	PIPALDA	S-NPP	25.50854	76.50961	13:09:36	D	5.00
86	KOTA	PIPALDA	AQUA	25.46200	76.49100	14:27:48	D	7.30
87	KOTA	PIPALDA	AQUA	25.50000	76.50400	14:27:48	D	5.40
88	KOTA	SANGOD	S-NPP	24.94092	76.16286	13:09:36	D	1.30
89	KOTA	SANGOD	S-NPP	24.97662	76.23977	13:09:36	D	3.40
90	KOTA	SANGOD	S-NPP	25.05273	76.22215	13:09:36	D	2.80
91	KOTA	SANGOD	S-NPP	25.06326	76.21165	13:09:36	D	4.50
92	KOTA	SANGOD	S-NPP	25.06727	76.21073	13:09:36	D	4.50
93	SWAIMADHOPUR	KHANDAR	S-NPP	25.89639	76.59944	13:09:36	D	6.90

Details of residue burning events in Madhya Pradesh on 29-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.54852	77.85342	13:09:36	D	2.70
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56092	77.68898	13:09:36	D	4.50
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.57141	77.87355	13:09:36	D	3.40
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.57334	77.50006	13:09:36	D	7.20
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.59307	77.50098	13:09:36	D	5.40
6	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.59722	77.52845	13:09:36	D	4.00
7	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.59758	77.52609	13:09:36	D	9.40
8	ASHOKNAGAR	ISAGARH	S-NPP	24.70288	77.68079	13:09:36	D	4.40
9	ASHOKNAGAR	ISAGARH	S-NPP	24.83181	77.87653	13:09:36	D	8.00
10	ASHOKNAGAR	ISAGARH	S-NPP	24.90542	77.55374	13:09:36	D	4.10
11	ASHOKNAGAR	ISAGARH	S-NPP	24.96381	77.81493	13:09:36	D	7.90
12	ASHOKNAGAR	ISAGARH	AQUA	24.82400	77.67100	14:27:48	D	21.20
13	ASHOKNAGAR	ISAGARH	AQUA	24.82600	77.68100	14:27:48	D	11.70
14	ASHOKNAGAR	ISAGARH	AQUA	24.87000	77.59600	14:27:48	D	5.50
15	ASHOKNAGAR	MUNGAOLI	S-NPP	24.35791	77.93930	13:09:36	D	4.30
16	ASHOKNAGAR	MUNGAOLI	S-NPP	24.39845	78.01513	13:09:36	D	4.70
17	ASHOKNAGAR	MUNGAOLI	S-NPP	24.44226	78.25943	13:09:36	D	3.50
18	ASHOKNAGAR	MUNGAOLI	S-NPP	24.45651	77.79980	13:09:36	D	3.40
19	ASHOKNAGAR	MUNGAOLI	AQUA	24.36200	77.99400	14:27:48	D	9.50
20	ASHOKNAGAR	MUNGAOLI	AQUA	24.36200	78.13000	14:27:48	D	10.00
21	BETUL	BETUL	S-NPP	21.77446	77.86094	13:09:36	D	4.50
22	BHIND	GOHAD	AQUA	26.44800	78.38600	14:27:48	D	8.20
23	BHIND	LAHAR	S-NPP	25.95184	78.86586	13:09:36	D	2.90
24	BHIND	LAHAR	S-NPP	25.97252	78.83939	13:09:36	D	4.00
25	BHIND	LAHAR	S-NPP	26.00602	78.84564	13:09:36	D	3.30
26	BHIND	LAHAR	S-NPP	26.07935	78.82677	13:09:36	D	2.40
27	BHIND	LAHAR	S-NPP	26.23961	78.96192	13:09:36	D	8.70
28	BHOPAL	BERASIYA	S-NPP	23.61540	77.41426	13:09:36	D	2.30
29	BHOPAL	HUZUR	S-NPP	23.11091	77.43689	13:09:36	D	6.40

30	BHOPAL	HUZUR	S-NPP	23.12542	77.45019	13:09:36	D	4.00
31	BHOPAL	HUZUR	S-NPP	23.37485	77.42162	13:09:36	D	2.30
32	CHHINDWARA	CHAURAI	S-NPP	22.14743	79.33000	13:09:36	D	3.40
33	CHHINDWARA	PARASIA	S-NPP	22.27988	78.96558	01:59:36	N	0.60
34	DAMOH	DAMOH	S-NPP	23.95764	79.56180	13:09:36	D	2.60
35	DAMOH	JABERA	S-NPP	23.52911	79.63975	13:09:36	D	4.00
36	DAMOH	JABERA	S-NPP	23.57068	79.71725	13:09:36	D	1.40
37	DAMOH	TENDUKHERA	S-NPP	23.46128	79.51501	13:09:36	D	2.70
38	DATIA	BHANDER	S-NPP	25.57663	78.64575	13:09:36	D	2.00
39	DATIA	BHANDER	S-NPP	25.88707	78.67789	13:09:36	D	3.80
40	DATIA	DATIA	S-NPP	25.58735	78.60263	13:09:36	D	2.70
41	DATIA	DATIA	S-NPP	25.63096	78.64340	13:09:36	D	3.90
42	DATIA	DATIA	S-NPP	25.63599	78.65139	13:09:36	D	3.30
43	DATIA	DATIA	S-NPP	25.67702	78.59911	13:09:36	D	4.20
44	DATIA	DATIA	S-NPP	25.76148	78.41747	13:09:36	D	3.70
45	DATIA	SEONDHA	S-NPP	25.82081	78.54700	13:09:36	D	3.10
46	DATIA	SEONDHA	S-NPP	25.95002	78.49779	13:09:36	D	5.10
47	DATIA	SEONDHA	AQUA	25.82400	78.62000	14:27:48	D	9.70
48	GUNA	ARON	S-NPP	24.27677	77.51447	13:09:36	D	3.70
49	GUNA	ARON	S-NPP	24.36989	77.45698	13:09:36	D	8.40
50	GUNA	ARON	S-NPP	24.40856	77.49588	13:09:36	D	5.30
51	GUNA	ARON	S-NPP	24.41234	77.49506	13:09:36	D	5.30
52	GUNA	ARON	S-NPP	24.46244	77.46839	13:09:36	D	2.60
53	GUNA	ARON	S-NPP	24.46440	77.45749	13:09:36	D	2.10
54	GUNA	ARON	AQUA	24.31400	77.57300	14:27:48	D	6.90
55	GUNA	ARON	AQUA	24.37300	77.60400	14:27:48	D	7.60
56	GUNA	GUNA	S-NPP	24.49920	77.37410	13:09:36	D	3.10
57	GUNA	GUNA	S-NPP	24.50300	77.37328	13:09:36	D	6.10
58	GUNA	GUNA	S-NPP	24.55380	77.45718	13:09:36	D	3.30
59	GUNA	GUNA	S-NPP	24.62876	77.31617	13:09:36	D	7.40
60	GUNA	GUNA	S-NPP	24.68918	77.51875	13:09:36	D	14.40
61	GUNA	GUNA	S-NPP	24.70077	77.47464	13:09:36	D	4.00
62	GUNA	GUNA	S-NPP	24.70082	77.47706	13:09:36	D	4.80
63	GUNA	GUNA	S-NPP	24.70458	77.47625	13:09:36	D	4.80

64	GUNA	GUNA	S-NPP	24.70847	77.39147	13:09:36	D	5.30
65	GUNA	GUNA	S-NPP	24.77475	77.51804	13:09:36	D	4.60
66	GUNA	GUNA	S-NPP	24.80399	77.48565	13:09:36	D	3.10
67	GUNA	GUNA	S-NPP	24.80755	77.48713	13:09:36	D	6.50
68	GUNA	GUNA	S-NPP	24.86197	77.18404	13:09:36	D	5.50
69	GUNA	GUNA	S-NPP	24.88343	76.93896	01:59:36	N	0.80
70	GUNA	GUNA	S-NPP	24.93442	77.02229	13:09:36	D	4.20
71	GUNA	GUNA	S-NPP	25.04186	76.99823	13:09:36	D	3.80
72	GUNA	GUNA	S-NPP	25.04360	77.00076	13:09:36	D	2.70
73	GUNA	GUNA	AQUA	24.50900	77.38700	14:27:48	D	12.20
74	GUNA	GUNA	AQUA	24.70600	77.14600	14:27:48	D	9.50
75	GUNA	GUNA	AQUA	24.71800	77.36400	14:27:48	D	12.00
76	GUNA	GUNA	AQUA	24.73200	77.46300	14:27:48	D	13.50
77	GUNA	GUNA	AQUA	24.77700	77.52600	14:27:48	D	8.60
78	GUNA	GUNA	AQUA	24.86200	77.14200	14:27:48	D	11.80
79	GUNA	GUNA	AQUA	24.86300	77.47500	14:27:48	D	12.90
80	GWALIOR	BHITARWAR	S-NPP	25.77090	78.09206	13:09:36	D	3.60
81	GWALIOR	BHITARWAR	S-NPP	25.84401	78.03950	13:09:36	D	5.40
82	GWALIOR	BHITARWAR	S-NPP	25.97162	78.16536	13:09:36	D	3.00
83	GWALIOR	GWALIOR	S-NPP	26.01706	77.97734	13:09:36	D	2.10
84	GWALIOR	GWALIOR	AQUA	25.98000	78.03900	14:27:48	D	7.00
85	HOSHANGABAD	BABAI	S-NPP	22.71606	78.01626	13:09:36	D	5.10
86	HOSHANGABAD	BABAI	S-NPP	22.71694	78.02123	13:09:36	D	8.30
87	HOSHANGABAD	BABAI	S-NPP	22.72911	77.92248	13:09:36	D	4.60
88	HOSHANGABAD	BABAI	S-NPP	22.73290	77.92168	13:09:36	D	4.60
89	HOSHANGABAD	BABAI	S-NPP	22.74377	78.00245	13:09:36	D	1.40
90	HOSHANGABAD	BABAI	S-NPP	22.74472	77.83527	13:09:36	D	5.50
91	HOSHANGABAD	BABAI	S-NPP	22.75695	77.85902	13:09:36	D	11.40
92	HOSHANGABAD	BABAI	AQUA	22.72500	78.01700	14:27:48	D	7.80
93	HOSHANGABAD	BABAI	AQUA	22.73000	77.92600	14:27:48	D	6.60
94	HOSHANGABAD	BANKHERI	S-NPP	22.89025	78.51720	13:09:36	D	6.10
95	HOSHANGABAD	BANKHERI	AQUA	22.82800	78.49800	14:27:48	D	4.70
96	HOSHANGABAD	BANKHERI	AQUA	22.84800	78.57800	14:27:48	D	6.60
97	HOSHANGABAD	HOSHANGABAD	S-NPP	22.63375	77.69103	13:09:36	D	4.40

98	HOSHANGABAD	HOSHANGABAD	S-NPP	22.63613	77.52732	13:09:36	D	6.50
99	HOSHANGABAD	HOSHANGABAD	S-NPP	22.65024	77.64977	13:09:36	D	1.70
100	HOSHANGABAD	HOSHANGABAD	S-NPP	22.74248	77.69215	13:09:36	D	10.90
101	HOSHANGABAD	HOSHANGABAD	AQUA	22.66600	77.66000	14:27:48	D	7.80
102	HOSHANGABAD	HOSHANGABAD	AQUA	22.69900	77.63500	14:27:48	D	6.50
103	HOSHANGABAD	ITARSI	S-NPP	22.53209	77.66564	13:09:36	D	3.00
104	HOSHANGABAD	PIPARIYA	S-NPP	22.81465	78.43528	13:09:36	D	2.90
105	HOSHANGABAD	PIPARIYA	S-NPP	22.82628	78.39357	13:09:36	D	1.80
106	HOSHANGABAD	SEONI MALWA	S-NPP	22.55180	77.57278	13:09:36	D	13.80
107	HOSHANGABAD	SEONI MALWA	S-NPP	22.60607	77.49519	13:09:36	D	2.40
108	HOSHANGABAD	SEONI MALWA	AQUA	22.41700	77.47600	14:27:48	D	9.40
109	JABALPUR	JABALPUR	S-NPP	22.98047	79.96589	13:09:36	D	1.70
110	JABALPUR	JABALPUR	S-NPP	23.04445	80.00821	13:09:36	D	3.40
111	JABALPUR	JABALPUR	S-NPP	23.08206	79.98860	13:09:36	D	1.90
112	JABALPUR	JABALPUR	S-NPP	23.12127	79.98938	13:09:36	D	4.50
113	JABALPUR	KUNDAM	S-NPP	23.21805	80.25409	13:09:36	D	3.10
114	JABALPUR	SAHPURA	S-NPP	23.14431	79.73487	13:09:36	D	2.50
115	JABALPUR	SAHPURA	S-NPP	23.16906	79.64822	13:09:36	D	2.50
116	JABALPUR	SIHORA	S-NPP	23.43065	80.10170	13:09:36	D	2.60
117	KATNI	BAHURIBAND	S-NPP	23.67139	80.03130	13:09:36	D	3.30
118	KATNI	BIJERAGHOGARH	S-NPP	23.94978	80.71082	13:09:36	D	3.70
119	KATNI	MURBARA	S-NPP	23.93903	80.44358	13:09:36	D	2.10
120	MORENA	JORA	S-NPP	26.36450	77.81916	13:09:36	D	2.80
121	MORENA	JORA	AQUA	26.47300	77.87700	14:27:48	D	6.90
122	MORENA	SABALGARH	S-NPP	26.26386	77.38562	13:09:36	D	2.40
123	MORENA	SABALGARH	AQUA	26.25500	77.35300	14:27:48	D	5.40
124	NARSHIMAPURA	GOTECAON	S-NPP	22.99256	79.59071	13:09:36	D	3.70
125	NARSHIMAPURA	GOTECAON	S-NPP	23.00696	79.31551	13:09:36	D	2.80
126	NARSHIMAPURA	GOTECAON	S-NPP	23.08433	79.59924	13:09:36	D	2.80
127	RAISEN	GOHARGANJ	S-NPP	23.08583	77.47501	13:09:36	D	3.90
128	RAISEN	GOHARGANJ	AQUA	23.00900	77.53900	14:27:48	D	6.30
129	RAISEN	GOHARGANJ	AQUA	23.14700	77.93800	14:27:48	D	9.80
130	RAISEN	RAISEN	S-NPP	23.42277	77.82277	13:09:36	D	2.30
131	SAGAR	DEVRI	S-NPP	23.51120	78.96256	01:59:36	N	0.30

132	SAGAR	GARHAKOTA	S-NPP	23.81164	79.10880	13:09:36	D	8.50
133	SAGAR	REHLI	S-NPP	23.66526	79.03227	13:09:36	D	3.80
134	SAGAR	REHLI	S-NPP	23.68183	79.07061	13:09:36	D	2.30
135	SATNA	NAGOD	S-NPP	24.63997	80.64439	13:09:36	D	2.00
136	SATNA	RAGURAJNAGAR	S-NPP	24.64324	80.70766	13:09:36	D	3.20
137	SATNA	RAGURAJNAGAR	S-NPP	24.67770	80.96681	13:09:36	D	4.00
138	SEHORE	BUDHNI	S-NPP	22.71785	77.46885	13:09:36	D	8.30
139	SEHORE	BUDHNI	S-NPP	22.74411	77.45773	13:09:36	D	3.60
140	SEHORE	BUDHNI	AQUA	22.75500	77.45300	14:27:48	D	10.50
141	SEHORE	BUDHNI	AQUA	22.78600	77.93100	14:27:48	D	5.90
142	SEHORE	NASRULLAHGANJ	AQUA	22.72300	77.35100	14:27:48	D	5.10
143	SEONI	GHANSAUR	S-NPP	22.40354	79.85297	13:09:36	D	5.60
144	SEONI	KEWLARI	S-NPP	22.27868	79.88896	13:09:36	D	4.90
145	SEONI	KEWLARI	S-NPP	22.30188	79.82924	13:09:36	D	2.30
146	SEONI	KEWLARI	S-NPP	22.30749	79.84105	13:09:36	D	2.50
147	SEONI	KEWLARI	S-NPP	22.34041	79.97157	13:09:36	D	6.40
148	SEONI	KEWLARI	S-NPP	22.36745	79.94069	13:09:36	D	3.30
149	SEONI	KEWLARI	S-NPP	22.38960	79.98744	13:09:36	D	2.80
150	SEONI	KEWLARI	S-NPP	22.49869	80.01343	13:09:36	D	3.20
151	SEONI	LAKHNADOU	S-NPP	22.53263	79.54708	13:09:36	D	8.50
152	SEONI	LAKHNADOU	S-NPP	22.83054	79.66045	13:09:36	D	4.10
153	SEONI	SEONI	S-NPP	22.13658	79.39514	13:09:36	D	6.70
154	SEONI	SEONI	S-NPP	22.16246	79.52400	13:09:36	D	5.00
155	SEONI	SEONI	S-NPP	22.23179	79.76012	13:09:36	D	8.10
156	SEONI	SEONI	S-NPP	22.25696	79.73781	13:09:36	D	3.50
157	SEONI	SEONI	S-NPP	22.30873	79.78478	13:09:36	D	1.90
158	SHEOPUR	SHEOPUR	S-NPP	25.80444	76.73454	13:09:36	D	3.50
159	SHEOPUR	SHEOPUR	S-NPP	25.85788	76.71431	13:09:36	D	2.90
160	SHEOPUR	SHEOPUR	S-NPP	25.87967	76.78667	13:09:36	D	11.20
161	SHEOPUR	SHEOPUR	AQUA	25.40100	76.64800	14:27:48	D	10.80
162	SHEOPUR	SHEOPUR	AQUA	25.54500	76.62000	14:27:48	D	6.90
163	SHIVPURI	KOLARAS	S-NPP	24.95184	77.61337	13:09:36	D	3.90
164	SHIVPURI	KOLARAS	AQUA	24.88000	77.53300	14:27:48	D	17.10
165	SHIVPURI	KOLARAS	AQUA	24.88100	77.54300	14:27:48	D	8.10

166	SHIVPURI	KOLARAS	AQUA	24.95200	77.65800	14:27:48	D	9.10
167	SHIVPURI	KOLARAS	AQUA	24.95500	77.61700	14:27:48	D	8.60
168	SHIVPURI	KOLARAS	AQUA	24.96400	77.61500	14:27:48	D	7.00
169	SHIVPURI	KOLARAS	AQUA	24.98200	77.74600	14:27:48	D	7.30
170	SHIVPURI	KOLARAS	AQUA	24.99100	77.74400	14:27:48	D	24.10
171	SHIVPURI	KOLARAS	AQUA	24.99300	77.75400	14:27:48	D	6.10
172	SHIVPURI	NARWAR	S-NPP	25.59599	78.03732	13:09:36	D	2.70
173	VIDESHA	LETERI	S-NPP	24.22974	77.47196	13:09:36	D	4.60
174	VIDESHA	LETERI	S-NPP	24.30871	77.39370	13:09:36	D	2.90
175	VIDESHA	VIDESHA	S-NPP	23.77747	77.82713	13:09:36	D	2.90

The study used data received from following Satellites at NRSC Ground Station

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375	Both
2.	JPSS 1 (NOAA 20)	VIIRS	375	Both
3.	JPSS 2 (NOAA 21)	VIIRS	375	Both
4.	Aqua	MODIS	1000	Both

**The rice mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India
The kharif crop mask for Delhi, Uttar Pradesh, Rajasthan and Madhya Pradesh were provided by NRSC**

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GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>
(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)

The DASHBOARD for paddy residue burning events is available at weblink: [CREAMS Fire Dashboard](#)
